SEQUENCE LISTING

<110> Chenault, Ruth A.
Xu, Jiangchun

<120> COMPOSITIONS AND METHODS FOR THE THERAPY
AND DIAGNOSIS OF OVARIAN AND ENDOMETRIAL CANCER

<130> 210121.501C1

<140> US
<141> 2001-11-28

<160> 230

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<212> DNA
<213> Homo sapien

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<223> n = A,T,C or G

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acatctcagt ttcatacaga actcattcaa tcatataaaa ataaacacaa atttacattg 180
actcatcaac tatacaattt aaaaaggcac ttggaagggg tattgtatta ttgcatttgt 240
ggtatgcatt tgaaatagtt taagtacatt aatgaatttg taagaatcct cttttgcact 300
tattcccatc tttaattaat tttcaaaaat tattaaaatg ttttaaaata gtaagacaat 360
ggagcatgcg ccaggaatgt ttcaaagcta atctttccct cctcccccaa ggcacatact 420
gttaattggg caaaaacaaa aacaaacaaa aatactttta atacattctc ctgggggttg 480
gnncttggna attttttttt ccccttttaaa aatatacctt taangcnctc aggtaatcaa 540
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<213> Homo sapien

<220>
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ttccgcgact ggtacccgca tagccgcctc ttcgaccagg ccttcgggct gccccggctg 180
ccggaggagt ggtcgcagtg gttaggcggc agcagctggc caggctacgt gcgccccctg 240
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gagatcaccg gcaagcacga ngagcggcag gacgagcatg gctacatctc ccggtgcttc 480
acgcggaaat acacgctgcc ccccggtgtg gaccccaccc aagtttcttc tccctgtccc 540
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nnnnnntnnn nnnnnnnccn cnngnnnnnn nnngnnnnnn nnnnnnnnnn nnnnnnnnnn 960
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngggnntnn 1020
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<210> 3
<211> 583
<212> DNA
<213> Homo sapien

<220>
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<223> n = A,T,C or G

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atgttacatt ttaggtacct atcatttgtc attccaagag atccttgcgt tctagactct 180
anaattaaat ggggtaaagg gttatgcttt taagaactat aagctgaaat gatttacttc 240
agttcaatat agaatatttg tcagtcaaga taacaatcaa tgtgtcaaaa atttacataa 300
caagaggaaa aataggcagt gcagcacctt tagaaaaata attaaaagtt tcattgcatt 360
tacangnaag tgccacactg agaatttaca atacagtaat ttactgcaat cacaggggag 420
ttccataaag aaacaaagct cttcactcca ggtttttgga angggtatt ggaagcttaa 480
ctgaaacccc aaaacntggt tantcctnng aatgagttga tgaaaggcat aaaaagggtt 540
cttagccctn ttntntaaaa gggggccccg ctttgggaaa cng 583

<210> 4
<211> 448
<212> DNA

<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(448)
<223> n = A,T,C or G

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agattttgct tctctttggt canaaaaggg tattcaggtt gtactttccc cagcagggta 180
gaaagaaggg caaagcaaac tggaagagac ttctactcta ctgacagggc tcttgagatc 240
caacatcaag ctagacacgc cctcgctggc cactctacag gttgctgtcc cactgctgag 300
tgacacaggc catactacat ttgcaaggaa aaaaatgagg caagaaacac aggtataggt 360
cacttgggga cgagcaggca accacagctt caaaactctt catggaaggg gtaatccttg 420
nggggaggna cagctcaagt cgaccggc 448

<210> 5
<211> 2067
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(2067)
<223> n = A,T,C or G

<400> 5
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cacacccgcc cctctcctgt gccaggaact tgctactacc agcaccatgc cctaccaata 180
tccagcactg accccggagc agaagaanga gctgtctgac atcgctcacc gcatcgtgga 240
cctggcaagg gcatcctgnc tgcagatgag tccactggga gcattgncaa gcggctgcat 300
tccattggca ccgagaacac cgaggagaac cggcgcttct accgccagct gctgctgaca 360
gctgacgacc gcgtgaaccc ctgcattggg ggtgtcatnc tcttccatga gacactctnc 420
cagaaggcgg atgatgggcg tcccttcccc caagttatca aatccaaggg cggtgttggg 480
gggcatcaag gtagacaagg gcgnggtccc cctggcaggg gacaaatggn gagactacca 540
cccaaagggt tggatgggct .gtctgaancn ctgngcccag nacnaanaan gacggagctg 600
acttccccaa ntggngtttg ngtgctnaaa aattggggaa aacaaccccc ctnaaaccct 660
tcngcattna tggaaaaatn cccaatgttn tgggnccntn angccnngnt ntnccannnn 720
naangggatt tnngcnccnt nnnnggancc nnnnanancc ncccettgng gggggnaaca 780
tnnaannttn naanngnnnn gnncnnnnnn ngnnnnancn nnannanaan ggnnnnnnng 840
nnnntgnnnn nnnncnnann anggnncnnn nnnnnngngn gancgcnnnc cnnnnnnnng 900
nnnancnngn naaagngana ccnngnatnn tnnnnangnn ncnanannnn gngtnnnnnn 960
nnannnnnnn nnnnngnggg gcgnnngcng nnnccnnngn ngnnngnnnn nnnnnnnnnc 1020
nggnnaaaaa nnnnccnccc cnncnnnnnn cncnnnnnna annnnntnnn nnnnncnnnc 1080
ccnngnannc nnngnnnnnn gnannnnnnn gngnacgnnn nnngnnnngn ngnnncnnnn 1140
ntnnnnnncg nnnnnnngnn nnannnnnnn nnnnanannn nnannnnnnn agngngnnng 1200
nggggnngnt nntngnatgn ncnnnnnnnn nnnnnnnncn nnntnntnnn nnnnnnnnnn 1260
nnnnnannng nnnnngnncn nnnangnnnn nnnnnnnnng nnnnnnnnnn nnngnnnnnn 1320
nnnnnnnnnn gnnnnnnncn cgnnnnnnnn nggngnaaaa aaaatnncgn nctnnnnnng 1380
ngngnnnnnn nnnnangnga aanannnnnn nnnnnnnnnn nnnnnnnnnn nnnnngnagn 1440
nanannnnnn gnngnnnnnn nnngnnnnnn nnnnnngnnn nnnncnncgn ngnncnnncn 1500
nnnnnnnnnn nncncaannn nnnncncncc nannnnnnnn nnnannnncg ncngnnaann 1560

nnannnannn annccnnnnc nnannnncnn nnannnngnn nnnngnnngn nnnnnnannn 1620
nnnnnnnnnn ncnncgnnng ganngnnnnn nnnnnnnnnn nnnntnnnna nggnggnnnn 1680
nngnnggnan nnnngnnnnn nnncnnaann nnnngnnnng cgngngnnnn nnggngnnnn 1740
nnncnnncnn nnnnngnnnn annnnnnnnn nnnnnnnnnn nnnnnnnntn nngntnnnnn 1800
nnnnnnnnnn nncnnnncnn nnnnnnnngn nnnnnnngnn nnnnnnngnn gngnnancng 1860
tngannanan aanngncgaa naagtnngng nnnnnnngnn gnngnncnnc ccnanncnna 1920
ntnnncgnan nngntgagan nnangnggnn aantcnnngg ccnncngncn ngnnngnnca 1980
nnacncggnn ngnnncnggn nngaananan gggggannn nnnncngggg nccncnnnnn 2040
nnnnannana ngaaaaanaa anagcgn 2067

<210> 6
<211> 643
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(643)
<223> n = A,T,C or G

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tttaaaatga gtccaaggaa gttaaaatat tcttttaatt aagacactca aagaaatgaa 180
ataagaaaaa ttgatgcaag gactccttca agttaanatt tgtgatacaa atattttcat 240
cttttaacag ggcaagctga tgtgttcaca tctcagtttc aagctgcctc tttcactagg 300
aacatcagta ttttttttta aaagcacatt tacaatgctt tcccatcacc cttgctgtgt 360
ttttgtagca cctatagcca taactggcac ctggggggcct gcgttgctgg cantttccct 420
tacatttctt tggagtcttt tcaactgctg gggggtttact taaaagtcag tgctttgcat 480
atttgatttc ctganantgn ttgaatagnn tttttaaaaa aatgngcagg ctgggtggga 540
canntttttt ncaagggaat ganannancn tgctnnggtt ggntngcttg gaatgggtcc 600
aaccnnncct nnttttnttc ccnanccctt nccngcccng cct 643

<210> 7
<211> 123
<212> DNA
<213> Homo sapien

<400> 7
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cctgcttctg ggtcggggtt tcgtacgtag cagagcagct ccctcgctgc gatctattga 120
aag 123

<210> 8
<211> 655
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(655)
<223> n = A,T,C or G

<400> 8

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ctagccatgt gatttcactt ccactccata acgctcctca tactaggcct actaaccaac    120
acactaacca tataccaatg atgggcgcga tgtaacacga gaaagcacat accaaggcca    180
ccacacacca cctgtccaaa aaggccttcg atacgggata atcctattta ttacctcaga    240
agtttttttc ttcgcaggat ttttctgagc cttttaccac tccagcctag cccctacccc    300
ccaactagga gggcactggc ccccaacagg catcaccccg ctaaatcccc tagaagtccc    360
cgtnctaaac acatncgtat tactggnatg aggagtatca atcacctgag ctcaccatag    420
tctaatagaa aacaaccgaa accaaataat tcaagcactg cttattacaa ttttactggg    480
tctctatttt acccttctac angcctcana atactttcga gtcttcctta acatttccga    540
cggcatctac cggttaacat tttttgtagc cacaaggttt cacggacntt ccctatcatt    600
ggctnacttt tcttactatt ggttattcgc caataaaatt cacttttnnt ccnag          655
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<210> 9
<211> 663
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(663)
<223> n = A,T,C or G

<400> 9

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ccggcgcaga gaggaagggc cgccgccgcc gtcccctgac ggcgccagca gcgacgcgga    180
gcctgagccg ccgtccggcc gcacggagag cccagccacc gccgcagaga ctgcaagtga    240
ggaacttgat aatagaagtt tagaagagat tttgaacagc attcctcctc ccccgcctcc    300
agcaatgacc aatgaagctg gagctcctcg gcttatgata actcatattg taaaccagaa    360
cttcaaatcc tatgctgggg agaaaattct gggacctttc cataagcgct tttcctgtat    420
tatcgggcca aatggcagtg gcaaatccaa tgttattgat tctatgcttt ttgtgtttgg    480
ctatcgagca caaaaaataa gatctaaaaa actctcagta ttaatacata attcttgatg    540
aacnccaagg acnttcagaa ttgnacagta naaagttctt tttcaaaaaa taattggtta    600
agggaagggg tngattttga aancntttct taacnnaant ttttngnttt cccaaacggc    660
tnt                                                                  663
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<210> 10
<211> 654
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(654)
<223> n = A,T,C or G

<400> 10

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cccccgccgc cgctccagcg gccgcgcagc caccgccgcc gccgccgcct ctccttagtc    180
gccgccatga cgaccgcgtc cacctcgcag gtgcgccaga actaccacca ggactcagag    240
gccgccatca accgccagat caacctggag ctctacgcct cctacgttta cctgtccatg    300
tcttactact ttgaccgcga tgatgtggct ttgaagaact ttgccaaata ctttcttcac    360
caatctcatg aggagaggga acatgctgag aaactgatga agctgcagaa ccaacgaggt    420
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ggccgaatct tccttcagga tatcaagaaa ccagactgtg atgactggga gagngggntg 480
aatgccnngg agggggcatt acatttggaa aaaaatgtga atcaagcact actggaactg 540
caccaactgg ccctgacaaa atgacccccca tttgngtgac tttnttgaaa ccatttactt 600
gatgagcagg ggaaancctt cnnnaatggg gngacacgng accaacttgc gnnt 654

<210> 11
<211> 653
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(653)
<223> n = A,T,C or G

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taactttggt cacatattac ttaaaaaaaa atccagtttt acatatttct aaatagatag 120
aactaaatga tcagagaatt tcttctgtaa aaattggcca aattttatca aaaatctaac 180
atacgataca atccaaatta taaaaagact acttgggatc ataatattcc aaatgtatga 240
cagttataac tccatcttaa caagtgtgaa aagtacttgc tctcatgttg ctttggtcca 300
aaagagtaga gctaactcag taacaggaaa ctaagtaccc aatcttttgc caaaattaat 360
ttagattgtg actggcagca naaatatcca taatgaacag ctctactata acaaagaata 420
attaaagaat actttcgtg aacatatcac aggtcaaata catttttata agagaaaaat 480
atgaaggaaa tgatnaaata gctntcncaa acaaaaagga agcatttncc ccntaagggg 540
aattaanagg gtggatgatg cttatatgaa angaagtnga anncngnttt atttcttatt 600
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<210> 12
<211> 375
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(375)
<223> n = A,T,C or G

<400> 12
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taatgnacaa taaatacttt cccctttcc tattattaaa naattttaat aaataatnta 120
cagtctaaaa cataaaaaag aggaaaatag gnccctctag ttatttttaa naaagncccc 180
ctanagttta attattcctg anatttcatt ggaaggagtc taccaaacgg aatttttctg 240
ngngaatttt aaaanataac cgagtgccca atattttaga agaagaagaa aggaagngga 300
ttaaacgcta attcagtaat acctgaattt tagcaaaaca cataagtcta tgcgactgag 360
ggngggagan gntcg 375

<210> 13
<211> 658
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

<222> (1)...(658)
<223> n = A,T,C or G

<400> 13
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tccagtgcca tcctcgtcgc tgcagcgaca cacgctctcg ccgccgccat gactgagcag 120
atgacccttc gtggcaccct caagggccac aacggctggg taacccagat cgctactacc 180
ccgcagttcc cggacatgat cctctccgcc tctcgagata agaccatcat catgtggaaa 240
ctgaccaggg atgagaccaa ctatggaatt ccacagcgtg ctctgcgggg tcactcccac 300
tttgttagtg atgtggttat ctcctcagat ggccagtttg ccctctcang ctcctgggat 360
ggaaccctgc gcctctggga tctcacaacg ggcaccacca cgaggcgatt tgtgggccat 420
accaaggatg tgcttgagtg tggccttctc tttgacaacc cggcagattg nctttggat 480
ctcnanaata aaaccatcaa nctattgaat accctgggng tggtgcaaat cccntgtcca 540
ngaaganaac cncttcanaa ngggggtctt tgtgnnccnt ttttnnccca acncaacaac 600
cctnttattn nntncctngg gttggaaaan ctggcnnggn tnganccggn tnactggg 658

<210> 14
<211> 686
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(686)
<223> n = A,T,C or G

<400> 14
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tataaacaat ttttatcatc atcctgaata ttactttata aanatatata ttttaaaagg 120
ntttcaaaac atttttcaac ccagcatttg agaataaagc attaagagtt ttgnatacag 180
taacacattc atgngataag ngnatgaatt tacaaccata cataatatgg atatatggat 240
atatatttat ataaaaaaca aacttggcca naagttaagg ntacctacna agttgtccaa 300
gtaaattatg cttggcaaaa caattataaa attcaaatca cacatgcatt tttaaatcat 360
ctaaatcact gcaaacaang gtcaagcatt ccaaangttt taaaatnang ggggangang 420
ggaancnggc cctccaannt taaagggccc gtttaaaacc cccttgaccc ccccccccaca 480
ggngnttttt aactnccncc catttntgtt gtttgnncnt ttcnccgggg ccttctttgg 540
cccttggang gggccncccc cccctgggcc ttccnaaata aaagggagga aaanngnntt 600
cccacgnccc cccccgnatg natnctctcc tntaaaaaaa ngggngggnc gngannctaa 660
nnggagnggt ttggcnaanc acttct 686

<210> 15
<211> 725
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(725)
<223> n = A,T,C or G

<400> 15
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aatgtccatt taaaacccat atcccaggcc aaaaagtaca aataaaatca aaaagagcag 120
tgttctgntg tattcatttc tgnatgtata gctttattaa ttngctaatg aaaattanaa 180

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cttttctggg atcttctgac aagattttta aaaaatctta aaatgccttt tcttcagtga    240
aggcactttt ggagttncca ataaaggggn cccccccctnc catcttnact tnaacctgat    300
attnntnttg tgnnggggg ggngggngaa atttaaaaa tatnttaatt taaggaaagg    360
ncatttttc acagtctaag ttctntgnaa aacttncatt ttcccacnga aagnganagt    420
tnangaannc ccccnngggc ncnccccacc ntgnggggca anttgnaaan tnattatnga    480
acncttggta ttgnttgaat tntttntgnt aacgnnnaat tgcgtgnaag aangctatcg    540
ttnctgtaaa aaaaagggga aacttttnct atantntccn ntannttctt tttanaaacc    600
ccnacccccc ctaaatgtga nccnccgatn ttttnccggg gntggatntt nntcngccct    660
tcncncnccg cccttttttt anacgccnat ttatattttn taantttatn taanttctca    720
tntct                                                                725
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<210> 16
<211> 196
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(196)
<223> n = A,T,C or G

<400> 16

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cngaaggtng cctncaccct ggcatcctcc cctccttccn acttntgccc ccaccccatg     60
tctctgtcct tgtcccagcc aggccctgct ccctctccag ccttgacagc ccctccccct    120
gcctatgcca ccctgggccc ccgcccatct ccagggggct ctgcaggggc cagttcctcc    180
gcctgtcctc tggggg                                                    196
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<210> 17
<211> 667
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(667)
<223> n = A,T,C or G

<400> 17

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cagccgtgaa actggaaagt cattttgatg actgatgtga tacatccaga ggtaaaatgc     60
atttaaacat attaaagtat ttgccaaaga tacaattttc ttgctgacat aaaaatcaca    120
caaacaagtc ccccccaaac cacaactgtc tctcaaatag cttaaaaaaa ttgaaaaaca    180
ttttaggatt tttcaagttt tctagatttt aaaaagatgt tcagctatta gaggaatgtt    240
aaaaatttta tattatctag aacacaggaa catcatcctg ggttattcag gaatcagtca    300
cacatgtgtg tgtgtctgag atatagtcta aattagcaaa gcacatagta ttacatactt    360
gaggggttgg tgaacaaagg aaaaatatac tttctgcaaa accaangact gtgctgcgta    420
atgagacagc tgtgatttca tttgaaactg tgaaaccatg tgccataata gaattttgag    480
aatttgctt ttacctaaat tcaagaaaat gaaattacac ttttnagtta gnggnggctt    540
aacataattt tttctatntt aacccgtatt naaatctcaa gtaagaattt nccgtggccc    600
gaaacttgtt angggggaat tttaaaaggg cctcgcattc cgggttacat ggcntanaan    660
tggaagg                                                              667
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<210> 18
<211> 1493
<212> DNA

<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(1493)
<223> n = A,T,C or G

<400> 18

ccccatttct ccattttgtg gaccaagcca tcctgagggc atggacattg tctctgagga 60
aattggggcc acccttaaga taccaagaaa agctcctgcc catggtccca ctggaaatgg 120
actctgctga gcaaagccac cagttgaaga gaacagaatc cacacctgca ttgaatacct 180
gtttctccat gtgtatcgtc tctgagatta ccttcttgcc ctttccaaca ccttagtgat 240
tcctcaattt ctcccccatt gggaaggcca tagggcatta actgaaggaa ctgacctctc 300
tccttttcct gtacctttaa cctttagtct gtcaaggaaa acccttagga cctctgaatc 360
aagaggactg agtttgtggg tgaaccttga aggtgctctt tctgctacaa gggccctggg 420
agatagcatg ggacgtgcat tgagaagcca gcctcagacc ttagcttgaa gcancttgag 480
gccagaccta ctgtacctca gcatcttgct aggaggcatg gaagtgatct atcctgccag 540
gaggcctcag agtgatctgt cctgccagga ggggtgagag tgatctgtcc tgtgaggcat 600
ttaggggctt taggaattan taaaaggggg agtatgcctt tccagaatct tccatcttcc 660
tttgganacc tggccttcct cccatttcct ccctttggcc ccaggtanga aggatggagg 720
gaggnttgtt actnttnccc ttctgggggc cctttctggg ggcctaaccc tgncaatttt 780
anttccnccc tcccttacct ngggatgnng ggnccctttn ccgggattta ancettgggg 840
ctgggcccta antttttttcc ctttttttttc ccnaaaaaaa aaaaaagggg ggggccccccc 900
ctgnnnnngn nttttttnnaa aatnccccccc nngncntnng gncccnnccn nnccccnntt 960
tnnttnancc nccccctgggg ggtcccnttt ngggggnnnt tnnntttnna nccnnnnnnn 1020
ggggnttttt ttttnnnnna aaantttttt ttnnncnnnc nnnnncnnnn nncnnttttnn 1080
nnnnggggggg gnggntnnnn nntttnnann nccccntttt tnngnnnaaa annccnnnnn 1140
nnnnnggggg gggnnnnnnn nnnnnnnnnn nnnncncccc cnnnnnnnnn nnnnnnnnnn 1200
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 1260
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 1320
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 1380
nnnncngnnn cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 1440
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnc 1493

<210> 19
<211> 1602
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(1602)
<223> n = A,T,C or G

<400> 19

ggaaaatcaa gatgtggctg aagatcagag gctcagttag caacctgtgt tgtagcagtg 60
atgtcagtcc attgattgtc tttagagagt taatgttaca aaaaagaatt cttaataatc 120
agacaaacat gatctgctga ggacacatgc gcttttgtag aatttaacat ctggtgtttt 180
tctgaaaaaa tatatataca tatattgctt tatttgaaac aaattaaaat atgctgcatt 240
tgaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
aaaanaaaaa aaaaaaaaaa angggggggn ccccccccng gnnngnnttt ttgnaaantc 360
ccccccccnn ganntngggn ncccnacnnc ggccccannt ttantttaan cccnnccccc 420
cttggggccc ccctnnnggg ggggntttna tttccaaaan cccccaanng ngggggttnt 480
tnntttcncc aaaaancnnt ttttttnnaa accncccccc ggaacccccn cccccccttt 540

ttcntttaag ggggggnggg gntttnttcc ccccttttg gaaaancccc ctttttttt 600
tgggggccc aaaaaaaacc ccccctttng naccnnnnan gggggggggg ggggnaancc 660
tttgggaaaa ccccccccncg gggagngaaa ancccctttt ttccccccc ccctttttgt 720
tttcctnngc cccaaaaacc ccntcccccn ntgggggann tnggcnggng anncnannan 780
cccnnaaaan gncccccccc cccnnnnggn gaaaaannc cccnnaangg ggnttntntc 840
ccnggggana aaaancccng gggggggncn ttttcccccg tttngnnccc naaanggggg 900
gggcccccct tgggcnnnna aaaacccccc ttnntnnccn cccccgnggg ggggnnnttt 960
ccccccnaaa ntccccccc ctngccccna angggaaaac ccccnnngng gggtcccttn 1020
gggnnccccc cnnttttttc ccccccnggg gcgggggggng nngggggga nnccccgnng 1080
gggcctttcc nnnngttttt ccnccccnnc cctntnnngg gggtgaaann aaccccccn 1140
ngnnttnntn ancccccccna nannnngncc ccnnttttg tnccccccnc cngaannnnn 1200
acccccccc ccnannttt tttgnnnngg gncnccccn gngnntnntt nnccccccc 1260
ccccccccc ccgggggngn ggnttttttt gnnnnnnnnn nccccnggg ggggngcccc 1320
nccccncnc ggnnttggg ngnnnccccc ctnnttttt tnnnnccnnc ccccccccc 1380
cgccnttnn gnnggnggng nnnnncngcn cccccctnnn gntcnnttnt cnccccnccn 1440
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn cnnnnnnnnn nnnnnntnnc 1500
ncncnngcnn tcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngnnngng nnnnnnncnn 1560
nnnncnnncn nnnngcnnnn ngnnnngcnc cgcccncnnn cc 1602

<210> 20
<211> 1633
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(1633)
<223> n = A,T,C or G

<400> 20
agcacgccag ccatcagccc ctgaatccac ctcacccact cgccagacct ttttgtcgaa 60
gttcatgtcc ttccttagcc ttccaatgaa gcctctacct gcctgagatg tccaaggtaa 120
tccatcagct gaggctctca gagaatgaaa gtgtggccct gcaggaactc ttggactgga 180
ggagaaagct ctgtgaggaa ggacaagact ggcagcagat cctgcaccac gctgagccca 240
gggtgcctcc cccaccacct tgcaagaagc ccagccttct gaagaagccg gaaggggcct 300
cctgcaacag gctgccgtct gagctctggg acaccaccat ttgatgtggc ctgaactgca 360
gacttacaaa atagaactgc ctactgattc cgggctgcaa caacagaagg ctgccttctg 420
acatgcgctg gggcttctct ccacgcattt agacaaaaaa agcacaggac acagacacta 480
aatatatgag atcccgtgtg tgtgtgtgtg tgtttgtgtg tgtgtgtgtg ggttctttct 540
tatccatctc gnggngatac actctgattt tcaagctcct catttacggg tcttgtgcta 600
cccctaggta ncaagaaaan aggctgggaa aaagtgtggn cgtggncnan agcgananaa 660
gtancggnng gaaaggagcn antccatgca cacttctgta ccngtngttt tttntacngg 720
ntcaaacagg nntgnntnat tggncnttnc caangggggt tttntttant aannaccnng 780
nnntnncngg ggannaanan nannnnnnna nnnnnnnttt nggnnnnccn cccttggggg 840
ggnnnnantt ggggcncnct cnctcccccc cctcncnccc ccctcccccc tcacnncgnc 900
ncnccntnnn ccncggcgcn nctccncntc nncnnccnnn ntcgnccnn nngngggggg 960
gcggggnngn ncccccnctct nctccncnnn ccccccccnn cnccnncncn ncnncnnccc 1020
cncccncncc nnnncncccc ccncnncccc ncccccccnnn nnnngnnnnn nnnnnnnnnn 1080
ncnnncccccc ccccccncccc cccccccnncn ccnnnnnnnn nnnnnnnnnn nnnnnnnnnn 1140
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnggggggcn ngnnnnnnnn nnnnnnnnnn 1200
nnnnnnnncn ncccccccccc cnnnnnnnnn nnnnnnnnnn ncccccccnnn nnngnnncnn 1260
nnnnnngnnn ngnggggggnn gnnnnnnnnn nnnnnnnnnn nnngnnnnng nnnnnnnnnn 1320
nnnnnnnnng ggnnnnnnnn nnnnnnnnnn nnnnnnnnng nnnnnnngnn nnnnnnnnnn 1380
ngnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngnnnnnnn nnnnnnnnnn nnnnnnngnn 1440

nnnnnnnnnn nccgnccccc cgnncnnnnn nnnnngnnnn nnnnnnnnnn nnnnnnnnnn 1500
nnnnnnnnnn nnnnnnnnng gggnnngcgg ngnngnggggn nnnnggnnnn nnnnnnnnnc 1560
cnnccccccnn nnnnnnnnnn nnnnnnnnnn nnnnngnnnn nngnnnnnng nnnnnnnccn 1620
nncccccccng nnn 1633

<210> 21
<211> 1462
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(1462)
<223> n = A,T,C or G

<400> 21
gggctcccaa aatggcgaag tgaggctgcg gggactcgct gagcagcgga gggggagcgt 60
gcagagccgc tgcggccctc acagtccgga gcccggccgt gccgtgccgt agggaacatg 120
cacttttcca ttcccgaaac cgagtcccgc agcggggaca gcggcggctc cgcctacgtg 180
gcctataaca ttcacgtgaa tggagtcctg cactgtcggg tgcgctacag ccagctcctg 240
gggctgcacg agcagcttcg gaaggagtat ggggccaatg tgcttcctgc attcccccca 300
aagaagcttt tctctctgac tcctgctgag gtagaacaga ggagagagca gttagagaag 360
tacatgcaag ctgttcggca agacccattg cttgggagca gcgagacttt caacagtttc 420
ctgcgtcggg cacaacagga gacacagcag gtccccacag aggaagtgtc cttggaagtg 480
ctgctcagca acgggcagaa agttctggtc aacgtgctaa cttcagatca gactgaggat 540
gtcctggagg ctgtagctgc aaagctggat cttccagatg acttgattgg atactttagt 600
ctattcttag ttcgagaaaa agaggatgga gccttttctt ttgtacngaa gttgcaanaa 660
tttganctgc cttatgtgtc tgtcaccagc cttcgagtca anantataan atgtgctaag 720
gaaganttat tgggactctc ctatgatnac nattnatgga naacccggtt ggccttnaac 780
cttcttttg ctcanacggt nttaaaatat ttagncgngg ggngggatct ttggtcaccc 840
aaggaaaaan nacccggnaa ntttaaaatt ttttgnnaaa aaaaaaannn ttccnaaaaa 900
gggaatttct ttnaaanttg gccccaaana ccttgnggnn ctttnggnnn ntttgnnctt 960
ttnanncccn nngggggnng nnttnccnna aaaaaaattt nntttnnngg gnnnnncnnn 1020
nncannnnna annnnnnnnn nnnnncccnc cngngnnnnn nnntnnaaag nnttttnnng 1080
gnncccnnaa aatngggggn ncnnttttt nttttnccnn nnnnnnnnnn nnnnnngggg 1140
gggggggnc ccnnnnnttt ttnnnnnann nnnnnnnnnn nnnncnnncc ccnnntnnaa 1200
annnnnnnnn nnnnnnnnnn aannnnnnnn nnnnnnnnnn nngggggggn nnnnnnnnnn 1260
nnnnnnnnnc ccnnnnnnnn ncnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 1320
nnnnnnnnnt ntntngnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gnnnnnnnnn 1380
tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 1440
nnnnnnnnnn nnnnnnaaaa an 1462

<210> 22
<211> 1601
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(1601)
<223> n = A,T,C or G

<400> 22
cccgaagcac gacgcagagc ctccggtgtg gctgtctctg atggtgtcat caaggtgttc 60

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aacgacatga aggtgcgtaa gtcttcaacg ccagaggagg tgaagaagcg caagaaggcg     120
gtgctcttct gcctgagtga ggacaagaag aacatcatcc tggaggaggg caaggagatc     180
ctggtgggcg atgtgggcca gactgtcgac gacccctacg ccacctttgt caagatgctg     240
ccagataagg actgccgcta tgccctctat gatgcaacct atgagaccaa ggagagcaag     300
aaggaggatc tggtgtttat cttctgggcc cccgagtctg cgccccttaa gagcaaaatg     360
atttatgcca gctccaagga cgccatcaag aagaagctga cagggatcaa gcatgaattg     420
caagcaaact gctacgaaga ggtcaaggac cgctgcaccc tgcagaaaan ctgggggca      480
gtgcccgtca tctccttgaa ggcaaagcct tttgtgaacc cccttctggc cccctgcctg     540
gaagcatctt ggcaagcccc cccncctgcc ccttgggggg ttgcnaggct tgcccccctt     600
ccttccccana accggaaggg gcttgggggg gatcccccan caggggggga aggggcnant     660
ccctttnccc cccannttgg ccnaaaccng nncccccccc ncccccttgg nanttttttcc    720
nttnttnccc ttcccatncc cntttngcng gggtnnttng gnccctttcc ccnaaanntg     780
gggntttttn gnaancnttt ttnnaaannn ncccntnttt gggggnctnn nnaaannccn     840
naanccccna nngtntnncc cccccccccn ngggncccccc ccccccnnnt nttntnnnng    900
gggggggggnn aaanccccn nnnnnnnnnn nnnnnnnnnn nnaaaaanaa aannantncn    960
ccccccnntt tttcccccccc nccccncngg gggnnccnnn tccccccccn tttttttcccc  1020
nannnnnnnt gggnnncnna anntttttttt tnnanccccn cnnnntnnnn nnnnnnctcn   1080
nngnnnnnnt ttnncnntnt nttnnnnnnn nnnnnnnnnn nnnnnnantn nnnaannnnn    1140
nnnngnnaaa acnatncccc ctcnctttnn ccccnnggnn ncnnnnnnct ttnnccccnn    1200
nnnnnnnnnn ttttnccngn nnnncnnnaa nggcnccttn nnntnaannn ncccccttccc   1260
nngnnnngnn nccccaangg nganaaantgg ggnnccccccc ccccnnngcn nnnnaanttt  1320
nnnttngggg gnnnnnnccc cccgccgcgc ctcccnctcc ccttcgcgcc gccccgcgcc    1380
gccgtccgcc ccgccccccc nctcccnctc cccgccgtcn ctcncttcnc tctccnccgc    1440
gccccgcccg cgcgcccgct cgncgtcncg ncncncnncn ccnnnnnnnn nnncgnnnnn    1500
ananaagnnc nccnaccnat cccccccgcc nncccccccnt nccgnnnnng nnnnnnnnng   1560
nncgcccncc ncccccnncc cccnttcgtn cccccccntt n                        1601
```

<210> 23
<211> 1566
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(1566)
<223> n = A,T,C or G

<400> 23

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cttttatttc attttatttg tttgctgctg ctgttttatt tattttttact gaaagtgaga    120
gggaactttt gtggcctttt ttcctttttc tgtaggccgc cttaagcttt ctaaatttgg     180
aacatctaag caagctgaag ggaaaagggg gtttcgcaaa atcactcggg ggaagggaaa     240
ggttgctttg ttaatcatgc cctatggtgg gtgattaact gcttgtacaa ttaccgtttc     300
acttttaatt aattgtgctt aaggctttaa ttaaatttgg gggttccctt cttagagcag     360
ctcgtactga cgaaggtgca tgcgctgaat gatgtcacgg cagtcgttga acacacggcg     420
gatgttctca gtgtcccagc gcangtgaaa tgagggtagc agtagtgacg cccatctcca     480
ctggcagtgc tgatcctcag aaactcatct cgaatgaagt acttggcccn ggtcacgcgt     540
gggtnctctt cnggctcngg agtancatnc tcangagtag ggtagcgagc aaattctgga     600
aagaagcctc aatcttcnat ttcccnncaa ggactttctc ancganccan atcttgcttg     660
tttganggaa ccaggaatcc cngnnnaatg gngcncaacc ccttcttgtt ggttncccaa     720
aangcccntt gaaaaaaggg ttcaaaaanc cctccctgcc anggccgggg ttngggncct     780
gggnttgncc ccccccccgg naaaaaancn ctnntttnnn naaancttgn nttggnttgg     840
ggncccccccc ccccnaaaaa aaaanaaaag gggnnnnnnn ccnccccnnt nntttnnaaa    900
aanaccccng gggnanncccc cccctttgg ggggggggnn tnnntttnnn nnncnnnggg     960
```

ggcccccccc cccnnnnnaa aaanaattnt ggggaaannn nnnannttttt ttnnccccccc 1020
ccnnngnnaa aantnngnnn tnncnnaaaa tnncccnaaa nnnnnngccc ccnnnnnnnn 1080
aaaannnnnn nntnnnnnnn nnnnnaanaa nnnnncccnn tntannncnn nnnnntnncn 1140
naaaanngng gcncnnnann nnnnnnnncn tngnnnnnnn nnnnnnnnnn cnnttttttn 1200
ccnnaanntn nnnnntnnnn nngnggggnn aannngncnn cnccccnccna annnncccnc 1260
nnnnggggnn nccccnnngg gcccnnnnnn nnnnccnngn nnnnnnnnnn nnnnnnnnnn 1320
nnnnnnnnnn nncccngnnn nnnnnnnnnn nnnncnnnnn cnnnnnnnnn nnnnnnnnnn 1380
nnnnccnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngnnncn 1440
nngncnccnc nnnnnnnann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 1500
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnncn nnnnnnnncn 1560
nncccc 1566

<210> 24
<211> 651
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(651)
<223> n = A,T,C or G

<400> 24
cgtcggttgg cgactcccgg acgtaggtag tttgttgggc cgggttctga ggccttgctt 60
ctctttactt ttccactcta ggccacgatg ccgcagtacc agacctggga ggagttcagc 120
cgcgctgccg agaagcttta cctcgctgac cctatgaagg cacgtgtggt tctcaaatat 180
aggcattctg atgggaactt gtgtgttaaa gtaacagatg atttagtttg tttggtgtat 240
aaaacagacc aagctcaaga tgtaaagaag attgagaaat tccacagtca actaatgcga 300
cttatggtag ccaaggaagc ccgcaatgtt accatggaaa ctgagtgaat ggtttgaaat 360
gaagactttg tcgtgtactt aggaagtaaa tatcttttat tagagaaagt gttgggacag 420
aaagtacttt atgtaactaa gtgggctgtt cagaacttan aggcattttt tgtaatttct 480
ttttaattac tttananagc tagggatgca aatgttttca gttagaaagc ctttatttac 540
ttttggaaat tgaacaanaa atgctttgtc ttanaactgg agaatatttg atggtaggga 600
aacatgtaat ggttctctgg caaaattgnn tcannatttg aaatgaaann n 651

<210> 25
<211> 676
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(676)
<223> n = A,T,C or G

<400> 25
gggggacaga gactcagatg aggacagagt ggtttccaat gtgttcaata gatttaggag 60
cagaaatgca aggggctgca tgacctacca ggacagaact ttccccaatt acagggtgac 120
tcacagccgc attggtgact cacttcaatg tgtcatttcc ggctgctgtg tgtgagcagt 180
tggacacgtg agggggggt gggtgagaga gacaggcagc ttgnanntnn ttgcttngan 240
ntttcncnta naacccgcna gcgcttnggt agggtnngcn anggatgncn nncnttnttc 300
nnaagncncc ngttcngngt canttgcttg nctcntctaa ctcnnnnnnc ccccnnttnn 360
gtctcctnng ngntcnaccc nntctgnttc ttngntcnng nttgncctcg nnnttnnttc 420
nnngctcngc ncgtntggtg nnntgngnat nannctnanc gngtttntnn attntnnctn 480

ncgtngancn catntgancc ttntnnngnt nttcgnctnn ntcgancgtn ttcngggncn 540
cnccncgnnt ctnnctnncc tcnccctttt ntcntcttgn ttgtggcntn acctnnctcn 600
ttctntgtnt ncnngccttn nngtgnnncn gatagtcnnc cctntttgnn aatatctntn 660
tnntcncccc cctccc 676

<210> 26
<211> 657
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(657)
<223> n = A,T,C or G

<400> 26
ttttttttt tttttgctgg gtggtaactc tttatttcat tgtccggaag aaagatggga 60
gtgggaacag ggtggacact gtgcaggctt cagcttccac tccgggcagg attcaggcta 120
tctgggaccg cagggactgc caggtgcaca gccctggctc ccgaggcagg caggcaaggt 180
gacgggactg gaagcccttt tcanagcctt ggaggagctg gtccgtccac aagcaatgag 240
tgccactctg cagtttgcag ggatggata aacagggaaa cactgtgcat tcctcacagc 300
caacagtgta ggtcttggtg aagccccggc gctgagctaa gctcaggctg ttccagggag 360
ccacaaaact gcaggtagtg atgtgcaaga ntccatcctg cagttttcca gcaatganaa 420
actcctcctg cggttgtggg acctggggaa gtatccgcan acctctcctg gcgggggtgt 480
agacnaaccg gatgtcaccg gcatccccta aagnttggaa ccctttatac atcttgggca 540
tcttganctc ataacgctgg tataaggngg ntnggtngac ttttggnngt ccccccaant 600
gcccttgana ccaaggccgn aattncnaaa ggcccctgng ggggggggg acccagn 657

<210> 27
<211> 646
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(646)
<223> n = A,T,C or G

<400> 27
ggaangctga agaattaaca ntttgactnc taaatgtgat actggntngt anattccctt 60
agagcagaaa ggagaggggc acatattaat ttgtatcgct tttgcttctc tttggtcttt 120
tgtgtcttag aatttggaag tggttcattt ctgttgctgg tatgaggatt tcgaatactt 180
agtaatcgaa aaccatatcc tgtaatttaa taaaaaaaac taaggaagaa aaaaccctcc 240
aattttccca aatgcaatca gtgtaactag ggctgtgtt tctgcattaa aataaatgtt 300
tcangctttg tggtcctgat caaggtcctc attaaaaaat tggagttcac cctagngctt 360
ttcccctctg tgactggct cntccccccac cnctcttagg tatcgcagtt attatgggnt 420
ncaaatnaag naatangntt nncaaatttn accaaanaaa gcattttttt cactgcnttn 480
tnattggggg gttggcccaa ccncntcaat ggntcttanc atggntggnt acccgcnacc 540
tttncntnaa cttggngnaa ncnngggcnn tacnnttcct gggggnaaat ngtntccnnc 600
cantccccnc ncntncnanc cgaancnnaa agggnaancn nggggg 646

<210> 28
<211> 407
<212> DNA

<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(407)
<223> n = A,T,C or G

<400> 28
caagagtctt tgaaataagc ccatttgagc cctggataac aagggataaa gtggagcgga 60
tgcacatcac agacatgaaa ttgcctcacc tgcctggctt agaagacctt ggtattcagg 120
caacaccact ggaactcaag gccattgagg tgctgcggcg tcatcgcact taccgctggc 180
tgtctgctga aattgaggat gtgaagccgg ccaagaccgt caacatttag tgcctcctga 240
gcagctcttg gttttggcgt cttttgggtc ggcccatgtg gtttgagcac ccagccaggc 300
ggtctcttta gaggatcctg tacacagttc cactattaaa acatttcagg ttgaaaaana 360
nnnannnnnn nnnnnnnnnn nanannnnnn nnnnnnnnnn nnnnnng 407

<210> 29
<211> 625
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(625)
<223> n = A,T,C or G

<400> 29
ttttttttttt ttttttttttt ttttttttttg gggaccaaat ttctttnttt gaaggaatgg 60
nacaaatcaa acgaacttaa gnggatgttt tggnacaact tattgaaaag gnaaaggaaa 120
ccccaacatg catgcactgn cttggggacc anggaagtca ccccacgggt ntggggaaat 180
tancccnagg nttanctttc attatcactg nntcccangg ngngcttgna aaanaaanat 240
tccncccagc cacattnngg cnctcccatn ttgcncaagt tggncacgtg gncacccaat 300
tctttgaagg ctttcaccng ctnattnaag naangggtct caatgaaanc acaccantgg 360
ggggnatttt tgntnnnngc ccattgggca attcccaana tggctgaatc aaatttttttt 420
nccaaagnca ngcccctcca atggattnaa ancccentnc caatanaaca nnnggntttt 480
ttatcctcca agaaaaattn ggcccntntn gggntggaag gtttnantat tacaagcncc 540
ttcctttaaa tggggaaaaa nttttgnnaa annttaaaac cncntcgcca agntttnaaa 600
agggnaggna ngcngngggt tacnn 625

<210> 30
<211> 643
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(643)
<223> n = A,T,C or G

<400> 30
cttaagaatt ggcccagcct cagatcctgt ctttagcaac cagctaatat ttacccagag 60
gtactgcaat agagtatttc aaaatggaat caggatctgg tgggcctcag aaattgtctc 120
ttttctgagt ttcaatttgg ttctcctgga tgttttgctc tgttttggta cctgtaatat 180
agggaaacac aacttttttt gggaaagccc tttgacccca gcttgctagt tgcataataa 240

taaattttct gttcctaaaa aaaaaaaaaa aaaaaaaaaa aaaanaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaggnngnaa naaaaaaata ananggggncc gntaaaacnn gggggggggcc 360
cntcaanttt aaagggccct ttaaancccc tnnnnaancc nccntggncc nttttnnttc 420
ccacctttg gnggnnggnc ccncccccgg nctttttttg ncctgggggg nccccccccc 480
tggtcnttnc ttanaaaaan nangaanttg cctcccttnt cngaaaangg ntctttttt 540
ttnggggggg gggggggggg ggaannnggg gggggtggg ggaaaaattn nggggnttg 600
ggaaccnggg gcccttgccc ttnngaaaag aaccccntggg ttt 643

<210> 31
<211> 645
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(645)
<223> n = A,T,C or G

<400> 31
gtgaaagctg taaaacacct tttatggaag aaaagaaata aaatgtagtt gtcaagtcta 60
aaaaatagta gcaacgggaa tcataatgaa tacatgcaat gaatttaaaa tgtaaaaatg 120
aatttaaaaa gtaaaaaggg ctctgtggtg taatttttct taactacaag agtctaaata 180
cactgctttt ctttaagagt tcattttaat tagtaacgtc aaacaaaatt attctagata 240
atgagcccta caaattacta ctactagcaa ctgtcatttt ttactcgggc atcctctagg 300
tgtcttacat tctcatttta ttcttacaac gaactcatcc tccagaagga cttcatcctc 360
cagaaggact catcctccag aangactcat cctccaaagg acttctccag aaggggggaaa 420
tggaagaccc gggtaacttg ctcagggctt atcacagaac tatgtttgag cctgacttcg 480
tttgaactct aaagcccaca tgctctttct actgccccat gcttctcaag gnaccagact 540
cttatttnct gcacttttga gaatctnaag atcctgantc attttaaata aatttagttt 600
tttggggagn agccnnaaaa aaaaaaaaag ggcgccctcc ncnnt 645

<210> 32
<211> 668
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(668)
<223> n = A,T,C or G

<400> 32
tcccgttctg ttttaaacag aaaataaaag gagtgtaagc tccttttctc atttcaaagt 60
tgctaccagt gtatgcagta attagaacaa agaanaaaca ttcagtagaa cattttattg 120
cctagttgac aacattgctt gaatgctggt ggttcctatc cctttgacac tacacaattt 180
tctaatatgn gttaatgcta tgtgacaaaa cgccctgatt cctagtgcca aaggttnaac 240
ttaatgtata tacctgaaaa cccatgcatt tgtgctcttt ttttttttta tggngcttga 300
agtaaaacag cccatnctnt gcaagtccat gtatgcngcn cttaagcntt ctatctttgc 360
tcaaatngnt gaangatggg gaccttggct catggcttgc gnatttgatc ntaangnncn 420
tttctancta tgntatgagg cacnngccct attggaggnc gccccnggtt tccggaaaag 480
ngcnntnntg tngngaattg cnnctcggan ttcaanaata tncggcnntt gntttgnang 540
ccnngnnnan caatcaggng ngcccctcna antcatgnaa gccccgnntn aannncnctnc 600
nctnttctcg nnntgggnnt tccattgccn gcctcgacgn ggttngcctc tcnccggcnn 660
cncgcncg 668

<210> 33
<211> 682
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(682)
<223> n = A,T,C or G

<400> 33
ggcttgtccg agttgatatg cgtatgcttt gcctaaaaag ccttaggaaa ttagacttga 60
gtcacaacca tataaaaaag cttccagcta caattggaga cctcatacac cttcaagaac 120
ttaacctgaa tgacaatcac ttggagtcat ttagtgtagc cttgtgtcat tctacactcc 180
agaagtcact tcggagtttg gacctcagca agaacaaaat caaggcactc cctgtgcagt 240
tttgccagct ccaggaactt aagaatttaa aacttgacga taatgaattg attcaatttc 300
cttgcaagat aggacaacta ataaaccttc gctttttgtc agcagctcga aataagcttc 360
cattttgcc tagtgaattt agaaatttat cccttgaata cttggatctt tttggaaata 420
cttttgaaca accaaaagtc cttccagtaa taaagctgca agcaccatta actttattgg 480
aatcttctgc acgaaccata ttacataata aggattccat atggctcttc atattcattt 540
ccattccatc tctgcccagn atttggggat acccgcanaa aatttggggt ttgggggaa 600
aaatntggnc tggaactttt tttanttnaa gggaaataat naggggngga agggggggt 660
ttntggntgc ccccccccg gn 682

<210> 34
<211> 1549
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(1549)
<223> n = A,T,C or G

<400> 34
ttgagagata cctccctcct tctgctcagc tgccttgcag taattaaact ctttctctgc 60
tgcaacaccc ctactgttct ccgtgtattg gcttttctgg gcagcaggaa ggaaaagctg 120
atgcgatgct ctcagtgccg cgtcgccaaa tactgtagtg ctaagtgtca gaaaaaagct 180
tggccagacc acaagcggga atgcaaatgc cttaaaagct gcaaacccag atatcctcca 240
gactccgttc gacttcttgg cagagttgtc ttcaaactta tggatggagc accttcagaa 300
tcagagaagc tttactcatt ttatgatctg gagtcaaata ttaacaaact gactgaagat 360
aagaaagagg gcctcaggca actcgtaatg acatttcaac atttcatgag agaagaaata 420
caggatgcct ctcagctgcc acctgccttt gacctttttg aagcctttgc aaaagtgatc 480
tgcaactctt tcaccatctg taatgcggag atgcaggaag ttggtgttgg cctatatccc 540
agtatctctt tgctcaatca cagctgtgac cccaactgtt cgattgtgtt caatgggccc 600
cacctcttac tgcgagcagt ccgagacatc gaggtgggag aggagctccc atctgctcct 660
ggatatgctg atgaccagtg agggagcgcc cggaagcagc tgagggacca gtactgcttt 720
tgaatgtgac tggtttcccg ttgccaaaac ccaggacaan ggatgctgga tatggcttaa 780
cctgggggga tgaaccaang tttttgggaa ngggaaagnt tnaaanaaaa tcccctggna 840
aaaaaaantt tnnaaanaaa accttggaan ggggcccccc ttgggaaaaa ngggggggan 900
nnnggttnt tnggnccnnt ttnnccccnn nnnnannnct ttaannnngn nnantttttt 960
nnaanggggg nntnnccccn ntttnnaann ntntntcccc nnnnnanggg ggggtnncnc 1020
nnncccccng ggggnncnnn ntnaacnccn nnctntnggn ggaaancntt tttttncttc 1080

nnccnnggnc cccnanannt tttcccagaa nccccccccng ggggngnnng gaaangnnnn 1140
nnnccctcnn gggggttncc ccnnnaaaaa aaannnggnt ttttttttna nganccgggg 1200
acncccccnnn naaannnttt tnnaaagcgc cccccnnnnt nnggnnnnnn nggnannnnn 1260
nnnttngnnn nttngcccnc cnttnnnngn nccnctcnnn nnnnnnnnnn nnnnnnnnnn 1320
nnnnnnnnnn nnnnnnnnnn cntntanntn ntgnaaaaaa nggnnnnngn nnnnnnnnnn 1380
nnnnnnnngn ccccccnngng nnnnnnnnnn nnnnnnnnnn gggggggnngn ggnnngcnnn 1440
nnnnnnnnnn nnncnnnnnn nnnnnnnnnn nnnnnnnnnn ncgnnnnnnn nnnnnnnnnn 1500
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncngnng nnggnnanc 1549

<210> 35
<211> 1440
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(1440)
<223> n = A,T,C or G

<400> 35
ctaatctaag cctcaaactc gttattgggg ctataaagaa aacgtttact tacccagctg 60
aaacaggtta agaatattct taatctcatt atagataatt gccccccatgg gacttgaaat 120
acaacacctt gtgctgaaaa cttcaggttg gcaatatttg aaggtttcgt tgtagaagag 180
tttaacatta actcctattt tgacttacaa atcttgtttc tcatcactaa aatgcttttg 240
aattaataat ccaacccaca tgagctgaga gtttttcttt tgttagaaaa gaaacagaca 300
tctttctgta tgaaagtata aattgtatgg ttttagatac ataagaattg acaaaagcga 360
gcgaaatctt tgtacttctg agttcttgct gtatgtatgt tttgttttaa atctgattag 420
ggacacccag cagctggccg ggattcttgg attgctcctt gggagttaag attgtcaata 480
ctcctgtgaa gcaagggatt tcagccatag aacaaagatt tattgttgcc acctgaaaag 540
tttacaagta tttattgtgt atttgatata ttgcttgaaa aagatgaaat ctgttaaaga 600
ttcttttccg atgtccaggt taagaagaaa cctccttgta ttgagtgaaa ttatatgtta 660
aatggtatta gagaatgtag gtggnataga aattggattt ttcttggngg tngaacaacc 720
tcaagttcgg caaagtttaa aatttggatt aaacaagaaa aannggttca nggttgnaaa 780
angggacttg nttagggang ggacaanggc ctttaaanna ccngcgtccc ttctccnggc 840
nggcnngncg ggcccnnccc caanctnntc cangcnttcg nccncnaccn nccncctttt 900
cctnntnnca cnaanntctt tnnccntttt tacngggggn ggggnnnccn ncnccggcnn 960
cngnntncgc cncccanaaa nnccnncntt ttccnncnnc ccntttncnn nnnctttnnc 1020
cnnnnccccc cccgnnnnnn nnnnnnnnnn nnnnnnnnnn nggnnnnnnn cccnnnnnnn 1080
nnnnnnnnnn nnnnnnnnnn nnnnnnggnc nngggnnnnn ttnntnnnnn gggggncnnn 1140
nnnnnnngcg nnnnnnnnnn ngnnnnnnnn nnnnncgnnc nnnnnnnnnn nnnnnnnnnn 1200
nnnnnnnnnn ncccnngnna ncnaannncn nnncnnnnnn nnnnnnnnnn nnnnnnncn 1260
cnncnnnnnn nnngnnngnn nngnnncnnn nnnnnnnnnn nnnnnnnnnn nnnnnngnn 1320
nnnnnncgnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng nnnnnnnnnn nnnnnnnnnn 1380
nnnnnnncnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gnnncgaaga nggccnaccg 1440

<210> 36
<211> 1496
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(1496)
<223> n = A,T,C or G

<400> 36
tgcataccgt ggaagggcgc cagggtcttt gtggattgca tgttgacatt gaccgtgaga 60
ttcggcttca aaccaatact gcctttggaa tatgacagaa tcaatagccc agagagctta 120
gtcaaagacg atatcacggt ctaccttaac caaggcactt tcttaagcag aaaatattgt 180
tgaggttacc tttgctgcta aagatccaat cttctaacgc cacaacagca tagcaaatcc 240
taggataatt cacctcctca tttgacaaat cagagctgta attcacttta acaaattacg 300
catttctatc acgttcacta acagcttatg ataagtctgt gtagtcttcc ttttctccag 360
ttctgttacc caatttagat taagtaaagc gtacacaact ggaaagactg ctgtaataac 420
acagccttgt tatttttaag tcctattttg atattaattt ctgattaagt tagtaaataa 480
cacctggatt ctatggagga cctcggtctt catccaagtg gcctgagtat ttcactggca 540
ggttgngaat ttttcttttc ctctttgggg atccaaatga tgatgtgcaa ttcatgttta 600
acttggggaa acttgaaagg ggttcccata tancttcaaa acaaaaacca aatggtgtta 660
tccngacgga tctttttatg ggtnctaact agtactttnc taattgggga aaagnaanng 720
ctttnagttt tgcnnaatta agtttggggg aagggcnata attaaaaatt gagggccccg 780
tnacnaaaac caactggggg ngtntaacga aaaaccctgt tttnaaaagg gggccttttn 840
cccctttnnn ngnnatntna nttnccccnt ttgccntttc cnttttnnnn naaacttttt 900
nnnttttctc cccnancnnn naaangngna nngggtntcc ccccnangtt nnnnttnttc 960
nnnnnannna nccccccctt ngnggnnccn nnngggcntt ttctcntngn naanngttnt 1020
nnnanncccc tttgncnnnn gggnnttgng nttcggnngn ccnngggggn nnnnccnnnn 1080
gnnngnnnnn gannangann nnnggnggnc gtntnnnngg ccgcgggnnn nngngnnncg 1140
ngnnnnnngn nnnnnngnnn cnnngnnnnn nngnnnnnnn nnnnnangnn nnnnnnnnnn 1200
nnngngnnng ngnnnnnncn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnncn 1260
nncnnntntn aancnnnnnn nnnnnnnnnn nggnnnnnng nnnnnngngn nnnnngnnnn 1320
nnnnnnnnnn nnggnnnnnn nncnnnnnng nngnnngcgg nnnnnngnnn nnngnnnnnn 1380
nnnnnngnng gnnnnnnggn gnnnncnnnn nnnccgcnnn nnngnncncn cnnnnnnnnn 1440
gncnncnnnn cnnnngnnnn nncnnnnnnn nngnnntnng nnnnnccgnn gnnntc 1496

<210> 37
<211> 1604
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(1604)
<223> n = A,T,C or G

<400> 37
atgcagtcct ggatggagcc gactgcatca tgctgtctgg agaaacagcc aaaggggact 60
atcctctgga ggctgtgcgc atgcagcacc tgattgcccg tgaggcagag gctgccatct 120
accacttgca attatttgag gaactccgcc gcctggcgcc cattaccagc gaccccacag 180
aagccaccgc cgtgggtgcc gtggaggcct ccttcaagtg ctgcagtggg gccataatcg 240
tcctcaccaa gtctggcagg tctgctcacc aggtggccag ataccgccca cgtgccccca 300
tcattgctgt gacccggaat ccccagacag ctcgtcaggc ccacctgtac cgtggcatct 360
tccctgtgct gtgcaaggac ccagtccagg aggcctgggc tgaggacgtg gacctccggg 420
tgaactttgc catgaatgtt ggcaaggccc gaggcttctt caagaaggga gatgtggtca 480
ttgtgctgac ccggatggcg ccctgctccg gnttcaccaa caccatgcgt gttgttcctg 540
tgccgngatg gaccccanag cccctccttc agccnctgtg ccacccccct tcccanccaa 600
tccattaagn cannaangct tgtanaactt cactctggnc tgtaaacntg gncacntgtt 660
nggtngggac accttgggaa ggaaaaatca acncctcant tgnaaaattg gggtaangnt 720
tgccantcnt gtttttaaan gggacnagnc gcgaggaagg gctnanttnn ttanantnnn 780
agggggcccc cnnccccnat nnananggggg caaanaacgg nanggnaaat ngnttnnnnc 840
cttngnnngc nccccnnng gannncccnn nncgnggnnn nnnnagnggg gntcancnnc 900

ntncccttnt nctnnntgng gtnnnccnnn nnnccnnnnn cacgttnaaa annnaaatnn 960
ngncccnnnn gnnngcctca cncnnttngn ggnnngaccn anccaccnng cnnatnggng 1020
ntggnagggn ctctncnnca aancantnng gncttcgtna ngngtgnnnn nnnnnnnnna 1080
ncnngntnnn nncncnnngc nannnngtnn cnngnntccn cccacttgtn tnncnannng 1140
ngtnnnngnn tngannntcn nngnttgnat cccggnaana cnannnncgg ncncnggcnn 1200
nccnncnncn gnncnntccc nnncccnatn nnggnggnnn nctgcnanct nnnnngancn 1260
cnnnnnnnnn gncncanncg antngngnng nnnntnncnn nnnnnnnnnn nnnnnnnnnn 1320
nntnnnnnnn nccgnttntg ctngcagtac tntcgngnnt ntcnnnnnnn ngnnnnnnnn 1380
ncnnnnnnnn nctngnacnt tngnacgcnn nagtcgacnt nctnggacnt nntnnncant 1440
cnngccnngt nnngnntngn ngcnnacnnn nnnacnnngg cgnnnnnnnc ncatnncnnc 1500
nctnanannn ggtnngngng nnnccttccn nnnnagnnnn natanngncn nnanncnccn 1560
nnnnnnnnnc ngnnnnncnn nntcnncgaa nanntgncac nacg 1604

<210> 38
<211> 280
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(280)
<223> n = A,T,C or G

<400> 38
ttttttttt tttttaattt atcagngctt aaaaatcttc aaaatagctt agtgaggctc 60
atgacagtgc tggccccatg gaaatgtagc cttttgttgc gtttaaacac tgtcacacca 120
tctatgactg tcccattggt ctgaagtgta gtggcaaact aagcatccta taagacaagc 180
taaagcttgc tttttgccag tcagttgaaa gtcttgcatc tcttcactga tgcactttct 240
ttaggtattg atagtcagaa gcacaaagca tttattatgc 280

<210> 39
<211> 378
<212> DNA
<213> Homo sapien

<400> 39
cgagtttata atcctataat gaagaatact ggcacaggca atgctcactc gaaaacttca 60
agtaatttct agttggtttt ggaatgcttg ataaagttcc tttacagctt tattttcctg 120
atttgttttg gtttagatca aagttcaaat taattttaac ttagctaatg aactcatcac 180
caggacagtt ggagggggta ggccgaggtt aaatggtcca cgtttcaaaa atgttaatgg 240
ctaatccata attaaagaag gtttaactgt tactgaagtt tacaagtttt attgtcatga 300
acatgaaata caaacacgat ggcttcgaaa tgtctttcaa taaatgtttc tgcatttata 360
tggaaaaaaa aaaaaaaa 378

<210> 40
<211> 2039
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(2039)
<223> n = A,T,C or G

<400> 40
caacttttgt agaagtattt ttttctctgt aatattttta ttggctcata aagatgtttt 60
catatctgaa ctcctaaata agtgaaatta cagtagatta tattaacaaa atacttttta 120
ggtagccatg cttgagactt tttaaaaata taacttttc cttaaagttt tcagctatag 180
caaaaggtag ttatgtatgc cagacctaat atgagctgcc accaacaccc ctagaacttt 240
cagccatggt gtcttcagaa ttgtagcgca tttctgaatc tagcaaatcc tccttttacc 300
cgttgaatgt tttgaatgcc ctgactctac cagcgcccat aaatgatctc tagaaggact 360
gttagtacca acctgttttt caactttgaa gctaaaaacc ctgatatggt aatattatgg 420
tgcatagcag aggtctcgga aaaaaaatat ttctgttcac tttactttca ggttaaaaat 480
gtttctaaca cgcttgcaac ttcccttatg gcattaatct tgttgaggga gagagacaga 540
atcctggact ctccaaagta tttaactgaa agtagggcct gctctgacag ggcccatgtc 600
ccacaaggct ggcttnggcc tcaggggggg gctttggctg gtgcttggga tgaaaattgn 660
tggannengg tntttgggga taaanggacc aaanggacca gccaaaagcn aaaaaatngg 720
gnttttaaa ngccttgggg ggnttacctt tttcntttaa angnnggttt naaagnatta 780
gggctaaang ccantttnca aaaaaangct cccnananaa aatggtggaa aagggnccct 840
tttggncgac aggnccttg nggaaaattg cccccancng ggccctttt tgnccccccc 900
nncccaaaaa aaagntgggn ngaagnnttn ttaaaaccct nnnggngccc nttttttng 960
nnaaanccnc cnccnngggg gncgccccnc tttnttttntt ntnttcccng ggngnccnnt 1020
ttttttncgg cngacccnnc ggggntcaan nnctgnanaa gnngntatct ggcngggnnn 1080
gcgcnngaaa gnnnnnggnn ncngnggggg nnnncgcncg nnannnttnt gnggggnaaa 1140
aaaaaaganc cctctnttnc tctcttntnt naanntnnnn ngnnnnnnan ncnngcnnnn 1200
gnngngnngn nnnnnnngnc nnncnnannn ggggggnggg cncncncnnc nnnnantnng 1260
gggcgnctcn tnnnnnnccc cnctncgggn nccnnnncnn ggngngngcn nntntngnng 1320
tccngnntgt gtntgnnnng ncnnncncnc cncgnnnnnc tnnnnntntg nntnngnnng 1380
ggggngnncn nncccncncg tgnnnnntnt nnnnnnnnnn nnganggnna nnncnnncnn 1440
nnnnnnnnnn ggggngcnnn nncnnncnnn tnnnnnnngg gnggnggggn gnnnnnnnnn 1500
nnnggnnnng nnnnnnnnnn nnncncncnn nnnnnntgng cgnnnnnncn nncnnngnnn 1560
nnnnntnnnn nnnnnnnnnn nnnncnnnnn nnnnnnnnnn nnnnnnnnng nnnnnnnnnn 1620
nnnncnnnnn nnnnnnngng gnnnnancgn tgngcngnng tnnnnnnnnn nnnnnnnnnn 1680
nnnnnnnnnn nnnnnnngnn nnnnnnnnnn nnangnnnnn nnnnngnnnn nncnnnnnnn 1740
gnnnnnnnnn cnntgcgagc nnnngncnnn nncnnntgnn nnnnnnngnn tcgcncnnnn 1800
nnnnncgngg ggcgntnnnn nccncccgcn gntgncnnnn nngncnnnnn ncnnnnnnnn 1860
ngnnntnncn cnnnnnnncg nnnnnnnnnc nnnagngnnn ngngnncnnc nncnnnatnn 1920
gannnnnnnn nccnncnnnn nnnnncgnnn nngcnnngnn ngnnnnnnnn nnnnntcncn 1980
ncncnnngnn nnngnnnnnn nnncncncgn gngnnnngnn cccgtccgcg cgngcgcgg 2039

<210> 41
<211> 319
<212> DNA
<213> Homo sapien

<400> 41
ttttttttt aaaaaaaaag agtttattta gaaagtatca tagtgtaaac aaacaaattg 60
taccactttg attttcttgg aatacaagac tcgtgatgca aagctgaagt tgtgtgtaca 120
agactcttga cagttgtgct tctctaggag gttgggtttt tttaaaaaaa gaattatctg 180
tgaaccatac gtgattaata aagatttcct ttaaggcaga ggctggtcga gatgctgctg 240
ttatcttctg cctcagacag acagtataag tggtcttgtt tctaagattc ctaccaccag 300
ttactttggg ccaagtatc 319

<210> 42
<211> 524
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(524)
<223> n = A,T,C or G

<400> 42
cctttttttt tttttttttt ttttctgatt tcaagtcaag atttattgct ttacaaacaa 60
acattatact tggtcttaat agaaaaatga caccagatac atccaaaata catttcacat 120
tgggatagct gccagttcag cacaaaacat acattactag gagcagggag gcatgaaaat 180
aaactatatc ttactttttg gtacgtcagg aacacttttg cctgaagtaa gccctttagt 240
actatttttt attttattta ttttttaat ccacccatct gcacactggn cctttagtac 300
tctttaagta taaaacttta cttgtcctgg gctttgaccc ttgtgtttga tctaaatgac 360
atttcaaaca taaatgtctt ttgactagtg cgcttactgn tatgtacana atttaaaatg 420
tgatcgttng aatntaaaat ctggtttgat acatgatata aaagttgtat atttaaaatn 480
caagaaatgt ttttggggaa tatttctact aaagaatttt aaat 524

<210> 43
<211> 103
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(103)
<223> n = A,T,C or G

<400> 43
cctttttttt ttttttttgc nngaaataag gaatctataa atctgaaata aagaaatccc 60
attttaaatt aaattgttaa agagacacat aagaaaaaac act 103

<210> 44
<211> 425
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(425)
<223> n = A,T,C or G

<400> 44
gtcgacaaga taatgtactg acatctctag caatcttttt tgccagtggc tttaaattgc 60
caataagtta aagaatattg ttcctatggg ttaaattttt attcttattt tcacatttaa 120
atttattttt cttaattttt gtggatacat aatatgtgta tatatgtatg ccatatatgg 180
tatattttga tgcaggcata ctctatataa taatcacatt agaggaaatg agatatccat 240
tacctctagc atttattctt tttattacaa gncaattcaa ttgtacactt tttagttatt 300
tttaaattta caatgttatt gattacaggg tcatttttat ggtcataata aaaaatttta 360
tacaaaacgt gtaaaatcta tacatttctg agttctgaat aaatattttt taaaatttt 420
aaaaa 425

<210> 45
<211> 492
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(492)
<223> n = A,T,C or G

<400> 45
gtcgactgcc cccaccgctg ggcggcgctg cggggcaccc aggctctgca gtcagcgccg 60
cgccgggaat cctgtacccg ggcgggaata agtaccagac cattgacaac taccagccgt 120
acccgtgcgc agaggacgag gagtgcggca ctgatgagta ctgcgctagt cccacccgcg 180
gaggggacgc aggcgtgcaa atctgtctcg cctgcaggaa gcgccgaaaa cgctgcatgc 240
gtcacgctat gtgctgcccc gggaattact gcaaaaatgg aatatgtgtg tcttctgatc 300
aaaatcattt ccgaggagaa attgaggaaa ccatcactga aagctttggt aatgatcata 360
gcaccttgga tgggtattcc agaagaacca ccttgtcttc aaaaatgtat cacaccaaag 420
gacaagaagg ttctgtttgt ctccggtcat cagactgtgc ctcangattg tgttgtgcta 480
gacacttctg gt 492

<210> 46
<211> 499
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(499)
<223> n = A,T,C or G

<400> 46
ccttttttttt ttttttttat aacatttata taatgtgcta acaatgaatc catccatgat 60
ttattgtttg taatgaactt aaaataaccc tttacaaatt aaaatcattt tttcaaacat 120
gacttcatat tgaaatggtt ctgttaaaaa agtaaaagtt gaattttcca gccaatttag 180
catctaggac ctgaatcttg ccaatatcct acccactatc ttcattccta cctcctaccc 240
cttcaaatca gctcctccag actttcctat ttctgtcacc ccagttcaaa atggttttca 300
ccatgcattt gatgtaaaat gtgcaagtgc gatatgactt cacaaagtat caattgtgtg 360
gacaatgata actactgtga cactgctagc acccctggct aaaagtaaga agcaacaaaa 420
ttacacaggg ttcctttctg atgaatgcag nanggattca agaaatccca ganctggaaa 480
aagattttca atagatctg 499

<210> 47
<211> 537
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(537)
<223> n = A,T,C or G

<400> 47
gtcgacattt ttctgaggaa tagtttgtga ttccaatgca ggtgtcttca ttaccattac 60
ctctacactg cagaagaagc aaaactcctt tattagaatt actgcacatg tgtatgggga 120
aaatagttct gaaaggctag aatgatacaa gtgagcaaaa gttggtcagc ttggctatgg 180
agtggtggca ataatctcta aacattccaa aagaccatga gctgaaccta aactcccttg 240
gaatctgaac aaaggaatat aaaattgcca tttgaaaact gaccagctaa tctggacctc 300

agagatagat cagccagtgg cccaaagcca tttcaagtac agaaattata gagactacag 360
ctaaataaat ttgaacatta aatataattt taccactttt tgtctttata agcatatttg 420
taaactcaga actgagcaga agtgacttta ctttctcaag tttgatactg agttgactgn 480
ttccctttatc cctcaccctt tccccttccc tttcctaagg caatagtgca caactta 537

<210> 48
<211> 556
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(556)
<223> n = A,T,C or G

<400> 48
gtcgactttt ttttttttt ttagnnntat aaaatatttt atttacagta gagctttaca 60
aaaatagtct taaattaata caaatccctt ttgcaatata acttatatga ctatcttctc 120
aaaaacgtga cattcgatta taacacataa actacattta tagttgttaa gtcaccttgt 180
agtataaata tgttttcatc ttttttttgt aataaggtac ataccaataa caatgaacaa 240
tggacaacaa atcttatttt gttattcttc caatgtaaaa ttcatctctg gccaaaacaa 300
aattaaccaa agaaaagtaa aacaattgtc cctctgttca acaatacagt ccttttttaat 360
tatttgagag tttatctgac agagacacag cattaaactg aaagcaccat ggcataaagt 420
ctagtaacat tatcctcaaa agctttttcc aatgnctttc ctncaactgn ttattcagta 480
tttggccagt acaaaataaa gattgggtct caactctctc tttcattagt ctcaagngtt 540
cctattatgc actgag 556

<210> 49
<211> 355
<212> DNA
<213> Homo sapien

<400> 49
gtcgaccgag cctctcccac cctcagtcgc atagacttat gtgttttgct aaaattcagg 60
tattactgaa ttagcgttta atccacttcc tttcttcttc ttctaaaata ttgggcactc 120
ggttatcttt taaaattcac acagaaaaat tccgtttggt agactccttc caatgaaatc 180
tcaggaataa ttaaactcta gggggacttt cttaaaaata actagaggga cctattttcc 240
tctttttttat gttttagact gtagattatt tattaaaatt ctttaataat aggaaaaggg 300
gaaagtattt attgtacatt attttcatag attaaataaa tgtctttata atacc 355

<210> 50
<211> 507
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(507)
<223> n = A,T,C or G

<400> 50
ccttttttttt ttttttttaa aaaaaaaaaa ttctgtttat tgtaataatt aaataagagt 60
aaacatttta aaacatataa aaataacttt aaaatatagt aacactttac aaaatatgta 120
tctaattaaa aatacattaa catagcatcc ctcaaactat acaaatatag aatatatatt 180

catgaaattc tttanaaata taacatctat tctttgaata aagcttaaaa tttgtttata 240
attttcaaac taanaaaaga agtagngaat aatagctcca tccaatttat aattgtctta 300
aagagaatga ttatgtatca tttcttgctt gtcttttcta atacccagtc aatcacctgt 360
acagcattgt tgtttgctgt tttcttcatt tcttcaaata gacccccttga aagtttttaa 420
gatcctttag atagaactta gagatttcaa agagacgctg gctgcatgca gtgaaacatt 480
catgagtctc ggtaatactg ngtttct 507

<210> 51
<211> 538
<212> DNA
<213> Homo sapien

<400> 51
gtcgacgcaa aagtttgact aaactttacc tttttatagt ttcacttttt aagttatatt 60
tagaatatat tgatagatta taaattgatt gtgaaacttt tttctgaatt ttttcaacat 120
gttttactca gttacatgag ttaaaggata ttttcagtcc tgttatcttc aattgcagtc 180
tttaaaaaaa cccaccctat tgttctactt gttatatgtc tattcataca gtaaattcat 240
ttcaaggttt atgccagtgg gtattattgg tgctttttga agttgaggtg aaccatccag 300
gaaggtcttg ttaatgttat gttcatctat aatggcatag gggaaatata tatattttta 360
atattgtaaa catttgtact gaataacctt ttttcccccc cctccgcaag caaaactggt 420
tgaacagcgg atgaagatat ggaattcaaa gctctaatgg acctttttga agagaagttg 480
tggcttatgt ggagtttaca tgggcctctg atggaagaaa gctaatctgt ttagtatt 538

<210> 52
<211> 504
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(504)
<223> n = A,T,C or G

<400> 52
ccttttttttt ttttttttta aagtacaaat tcagtttatt catctgttta tgacacagta 60
cacaggaggc aaagtgtttc acatcataga cttcacttcc aactccttgg aatgttcatt 120
tctttggctt acaggagaga ctagacagga aggccaggca atgcttaggc aactaaaatg 180
aggttggggg taatgctaac gtcaccctca cagggatggc cacggggact gttattcgca 240
agctggtttt ctagacctgt tagctggaag catggtgagc accatttctg gacgctcagg 300
ccgtntcggg cttcagtcat ntccaccaca caggtacagc agcgctttct ggtagtcgcc 360
cttagtgtct tgctggatat aatagtacag ggacttgccg tactttctct tgaattcaga 420
cctaattttc aacatgtcca cttcactgng ggagaccatg attctgatca ggacccttat 480
ctcgcgtccc cttgcccttc atgg 504

<210> 53
<211> 489
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(489)
<223> n = A,T,C or G

<400> 53
gtcgacttta gatgtacagg ctgacanana agattcccga gagtaaatca tctttccaat 60
ccagaggaac aagcatgtct ctctgccaag atccatctaa actggagtga tgttagcaga 120
cccagcttag agttcttctt tctttcttaa gccctttgct ctggaggaag ttctccagct 180
tcagctcaac tcacagcttc tccaagcatc accctgggag tttcctgagg gttttctcat 240
aaatgagggc tgcacattgc ctgttctgct tcgaagtatt caataccgct cagtatttta 300
aatgaagtga ttctannatt tggtttggga tcaatnggaa agcatatgca gccaaccaag 360
atgcaaatgt tttgaaatga tatgaccaaa attttaagta ggaaagtcac ccaaacactt 420
ctgctttcac ttaagtgtct ggcccgnaat actgtaggaa caagcatgat cttgntactg 480
tgatatttt 489

<210> 54
<211> 577
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(577)
<223> n = A,T,C or G

<400> 54
cctttttttt tttttttttt aagaactcaa tacatggctt ttaattattg tctataattt 60
aaggaaataa tcacctacaa ataggatgtt tctcaagttg gcttacaaat ttgttacttg 120
gcagactgaa aacatttccc acagaacaaa tattatacac aatggttggg ttcctttggt 180
taatgcataa tgtttactcc ataatttatt tacccacaaa catgaattga acatttcttt 240
gtgccanaaa ctattctaac actagaaata caatagtaat gaacaaatag aaaaaaatcc 300
tattgtcatt ggtattacat ccatagtttt ttctccaaga gaataaaagt aagtaaaata 360
tatagaatta tagataatga tatatgctat ggtgaaaaac aaagctgggt aaagggatag 420
agaatggggg aaggataatt ttaactgatt attagtagaa tgtactagta tctctgttct 480
aaaaggattt aagataggta ttacttaccg aacctaagta ttacaaataa aatagcaatg 540
cttacactag gaaagacttt caactgagaa gcattat 577

<210> 55
<211> 483
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(483)
<223> n = A,T,C or G

<400> 55
cctttttttt tttttttcac caataattat tttattcagg gagtaaatgt tattaattgc 60
caaaatacga attttaaatt tgagaagtac agatttgtaa gtatatattt gtttgaatag 120
tatcanattg gccttttatt ggcttattgg tatttagngc cagcacttac aatgtgaact 180
cagcaacaga agataattct tatgaaatca acattcaact tacatgaaat aacttaaaaa 240
cttaccaaca atagtctaat gattatatac ctttaccaaa caatgtctaa tgaaagtcca 300
aatgtaaaaa tttaaaaatt aaaattatag aatataattt ttacacatca attgttttgt 360
agcaccatct cgcaaagnaa atatcatgtt tattctgtag ctaaaatttc tccccacaag 420
cagaaattgt ttggaatata caaaaagaca acccattaac aagtaacttt aagtaatgta 480
gtt 483

<210> 56
<211> 521
<212> DNA
<213> Homo sapien

<400> 56
gtcgaccaga cttaagcatc gagtttttac catcttccac tttaagctaa gttatgatac 60
ctattccatt cacaattggt gttcttttta aggtttgcaa atttcagcca attttgtagc 120
taagattgtt ctgatcagct caaaaagatt tggcttagtg ttttcattgc aaattataat 180
tgctgtagag ccacacacaa cttttgaact tttaattata agtgttatgg ctaaagttat 240
ttactgaaaa tttcagtaaa atgtgtgaat gtttctttat gtattaacct catagcagta 300
aatgacttgc tgttgtttaa tttttctaag gcatcttaat agacttctgt tgaaaacttc 360
agtgttaaca tttttatagt ttgtactaaa tttaaccgtg atataaaaat gaatttttatg 420
catagatcag gaatttttaaa ttaaaggttt tttctttaaa aaaaaaaaaa aaaaagggcg 480
gccgctcgag tctagagggc ccgtttaaac ccgctgatca g 521

<210> 57
<211> 542
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(542)
<223> n = A,T,C or G

<400> 57
ccttttttttt ttttttttaca acttcacatt ctttaatgtt cattcagaat attaaatgcc 60
attaattgac catcattatt ataaaattta ctatttagat aagtgagttt tagtacagtg 120
ctatttaaag tatggaactg ttactggtgt gtgatcagta cagaaattga gactaagcat 180
ttagaaacct agagcaattt gacgtagcaa tcttctgtct gttgaatcta ataacaaaaa 240
aaatttttttc aattttgcat atctttttaa aatttaattt gtcaaggaat tcatttttag 300
catattttac aaaaacatca ttctcctatg gagactattt ggaaatacaa ataagaaaac 360
tggttcttac cacagatagt ttttagaaac ctgttttagn gtaaagccat catttagtat 420
aaagncatct attattactg ttactctgaa gtggttactg agcattacaa cagtnggtng 480
gattataagt ttgtttacta aanatgctag gatttattaa ctcatgtata tatttattga 540
ga 542

<210> 58
<211> 261
<212> DNA
<213> Homo sapien

<400> 58
gtcgacagag aaggtctatg tcaacagagt tgttatctca tagagccagt tttcaaagct 60
ccttctgcat tgtcactcac tgatcaggtg atgaattctt cctagatagt cgcccactcc 120
acctcctact taacctgaga ctcattattt agctatttct gcttttgtaa aaataattca 180
gatattaaac tccaatttta atctatcatc caagggtaga tgtagttgct tagtagcatt 240
ttggaaaaaa aaaaaaaaaa g 261

<210> 59
<211> 480
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(480)
<223> n = A,T,C or G

<400> 59
ccttttttttt ttttttttaaa atatagaagt tctgagttag acctgtttag ctcanaatag 60
tgggctaaac taccataaaa ttctctgtat atcttaaatg gtaatgggtc aaaaactcca 120
gaaaatcatc agttgataac acacctacag ataagtgcat gggtaggagg ggatagccaa 180
gtgcccatga taatttgacc tcagtaaatt aaactgggca atacacatat ttgctattct 240
gatactgcat tagacttata aaattccatc taataagcat tcataaaact ggacctctct 300
gtatatatct agcttagaca gggataggga aaagaataac tgaagaaact agcttacaat 360
agctaggttt cgtcaggctt attctatcca gccagaaacc accaccagag agaagctgag 420
ccattcagct gnctgtctcc tctccctctg tttgaatagt catgcctagg ccttgctgca 480

<210> 60
<211> 493
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(493)
<223> n = A,T,C or G

<400> 60
ccttttttttt ttttttttggt ccttctgttt atttcatttt ggatactcag tgaatgttaa 60
ttaaccagga aacttaaaag ttatttcaat tatgaacctc ttcaatcctt catcaattat 120
tttgagtatt ctggtcttaa aaacatctct ttcttctaca aacttctgaa agagatgaac 180
acctccacct acaccaaaat aatgtgcttt gctggccaaa agtacacgtc catttttact 240
taacagtcta aggaaagtct ggtgcaaatt actataataa tctgggttgt aaatggtttc 300
tgaggtgaga atgagatcat attttacaaa aagtttttca ctacttagta caagcttaca 360
aaactcagac cactcaccag aaaaaaatcg gcatttatat agttgngtta cttttggttt 420
cctgcatctt ttcacatctg gctcatttac atcatttttct tcatcttcca aagtggagtt 480
agctactaca tta 493

<210> 61
<211> 532
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(532)
<223> n = A,T,C or G

<400> 61
ttttttttttt ttttttttgaa aaatataaaa ttttaataaa ggctacatct cttaattaca 60
ataattattg taccaagtaa ttttccttaa atgaactctt tataatgcat aatttacagt 120
ataagtagaa caaaatgtca tgacaaaagt cattgagtac aagacttgta ataaaaaggc 180
ataaaatata tttatacata aacccctttc aaaaaacaag ggaaagcttg agccctcaat 240
atagggcgac acacggagcg ggtgaccgtg caggtacagg tactgtactg atttaaagtc 300
aagcactaga gatagnggat taatactctt ttgccgtaca ctatatacag atgtatagta 360

```
caagtaacaa tggcaaacag aatgtacaga ttaacttaac acaaaaaccc gaacatcaaa 420
atgaaggtgt gtggaggaaa ggtgctgctg ggtctcccta caactgttca tttctttgng 480
gggcaggggg tagttcctga atggctgngg tccaatgact aatgtaaaac aa         532
```

<210> 62
<211> 567
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(567)
<223> n = A,T,C or G

<400> 62

```
gtcgactttt tttttttttt taagtatttt aggcatattt aataaataac ttcagtaaat    60
agcactgtaa aaagtgaact gttaaaacta aaggcactta aaacaagaat gtgactagtg   120
tgaaacaaga tgggcaactc aaatggtgag aagtaaacat acagtggtct gttatggcac   180
taactcaaag taagactcgc gtaggtgaga gctgttgcat agccacagta taacttcaca   240
tgttcattaa aaaggcaaat tgaccgctaa aacttcaaag aaaaagtact cataaaaaaa   300
gtcttacccc aaaattgcaa acaaatacat taaaagatta gaagaggtga tagaaagcac   360
cagacattaa acaaaataaa aataataaaa taaattcaac tcaaaaggtc cccattcagc   420
aaatactttg taaaagtatg gcctgtatgt aaatagttgc taaatcaagg actttttagc   480
agaaaattgc tcggttcttt tatctaaggc ttgaatttgt aaagngaagg cataaaagtt   540
nccaaacatt aagtaactct taaaatg                                       567
```

<210> 63
<211> 247
<212> DNA
<213> Homo sapien

<400> 63

```
gtcgacaaac aaacttggct tgataatcat ttgggcagct tgggtaagta cgcaacttac    60
ttttccacca aagaactgtc agcagctgcc tgcttttctg tgatgtatgt atcctgttga   120
cttttccaga aattttttaa gagtttgagt tactattgaa tttaatcaga ctttctgatt   180
aaagggtttt ctttcttttt taataaaaca catctgtctg gtgtggtatg aaaaaaaaaa   240
aaaaaag                                                             247
```

<210> 64
<211> 330
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(330)
<223> n = A,T,C or G

<400> 64

```
cctttttttt tttttttttt tttttgacat ggagtcttac tctgtcaccc aggctggagt    60
gcagtagtgc aagctcggct cactgcaacc tcaggcagga ctatttttaa ttatttttaa   120
tacctgcaaa agggaatctg cacatgcaca tccgtgtttc tacanaaatc tgcgatcgat   180
ggcagatctg tttgcctttg ngtgtccaca tgaaccattt ggcaaaggca tccaatgcta   240
acggggccca ccaactacaa cggaggcaac aactctgngg attttntttc acagaaagag   300
```

taaaatttca ttcaaccgtt ccatgtcgac 330

<210> 65
<211> 486
<212> DNA
<213> Homo sapien

<400> 65
cctttttttt ttttttttact aggcaaagaa ctttattaat ctttgtttca aacttgattc 60
ccaggcttct tcggcttaat tagctgcaaa gaatgaattg tgtataagca aaaactgaaa 120
agagctgcag tgtccaaggg gcttgggctt aaaaatatta gagatctaga ttttatcaga 180
tccataaaca aaaatttctt aaaaagcagt cataatataa aatagcagct cccagtaact 240
tcttcaggtt ttatcttcag aagttgactc aattcagttt gcctcattct tggaagcctc 300
atcaaaattc tccacaagat ctggaacttc atcatcatca tcctctccag tagcaagtgg 360
tgcttttcca tccacagatt gtttgggcag agcttcggcc agtctcctta aactagtcag 420
actatccgca ccaagctggt ttaagatgct gggtagcatt tctgtcagct gctttgtctc 480
agcatg 486

<210> 66
<211> 503
<212> DNA
<213> Homo sapien

<400> 66
gtcgaccgtc agacagcaac tcagagaata accagagaac aaccagattg aaacaatgga 60
ggatctttgt gtggcaaaca cactctttgc cctcaattta ttcaagcatc tggcaaaagc 120
aagccccacc cagaacctct tcctctcccc atggagcatc tcgtccacca tggccatggt 180
ctacatgggc tccaggggca gcaccgaaga ccagatggcc aaggtgcttc agtttaatga 240
agtgggagcc aatgcagtta cccccatgac tccagagaac tttaccagct gtgggttcat 300
gcagcagatc cagaagggta gttatcctga tgcgattttg caggcacaag ctgcagataa 360
aatccattca tccttccgct ctctcagctc tgcaatcaat gcatccacag ggaattattt 420
actggaaagt gtcaataagc tgtttggtga gaagtctgcg agcttccggg aagaatatat 480
tcgactctgt cagaaatatt act 503

<210> 67
<211> 519
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(519)
<223> n = A,T,C or G

<400> 67
cctttttttt ttttttttgaa taaatttttt ttttattttt acaccataat ccaattctag 60
ttatcttaat tgaatttgaa aactttttca attgcattaa atttacaaaa aagttctccc 120
acattacact aaagcattcc tcatgtttca cttccagtac tcagatactg aatgagtaaa 180
atcattttat tggctctctt ttaattaact ccttcaaatg cacattgttt aaaaactgac 240
taggtcaaaa atagttacnc ctgcaggttg acctattcag actttgccaa actcctccaa 300
gttcaatata aattgacgtt ttcagagtac aaagtcaatt ttacggaaac gctgttcctc 360
cttttccatg gagccaatct gggtaatttt ttcattaaaa ttcttcttct gcctgtttgc 420
tgcggaactc tttgagctgc tgtagccgct cgatagtttc anaaatggtg cgttccccgt 480
ggaccttatt gtcctcttgt gcggatatna acagtgcca 519

<210> 68
<211> 495
<212> DNA
<213> Homo sapien

<400> 68
gtcgactaaa gctgaagaga taaaagaggt tgtggggcta tgtcttaaga caaaagaaca 60
tttagaaaac ctcaggaaat gatcagagtg ggatagatgt tactagaaga aacaaagaaa 120
ttgaattcaa ttaggagtta gaatcattta caaagcaatg gggaaagtaa gcccctaaaa 180
actattgtag catatagtaa ccagagccaa actctcataa tatattcccc aaggcaaaag 240
aaaaatattt acaagattgg cgttgtttta tatgtttgca aacttattta ataagtctgg 300
ctttgtagat ttcatatctg agtctgcatt caatcaaaat gtcttggcta aacttcatga 360
aaaaacccca gcctcataaa ttagtagttg gaaaaaggag gcatatttag agctttttca 420
gataattgta tttctttgat acattagact ggacacacag tagtttgttt aaggttaatt 480
gcaatattgc aatga 495

<210> 69
<211> 525
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(525)
<223> n = A,T,C or G

<400> 69
gtcgacgcca ccatgttcga ggcgcgcctg gtccagggct ccatcctcaa gaaggtgttg 60
gaggcactca aggacctcat caacgaggcc tgctgggata ttagctccag cggtgtaaac 120
ctgcagagca tggactcgtc ccacgtctct ttggtgcagc tcaccctgcg gtctgagggc 180
ttcgacacct accgctgcga ccgcaacctg gccatgggcg tgaacctcac cagtatgtcc 240
aaaatactaa aatgcgccgg caatgaagat atcattacac taagggccga agataacgcg 300
gataccttgg cgctagtatt tgaagcacca aaccaggaga aagtttcaga ctatgaaatg 360
aagttgatgg atttagatgt tgaacaactt ggaattccag aacaggagta cagctgtgta 420
gtaaagatgc cttctggtga atttgcacgt atatgccgag atctcagcca tattggagat 480
gctgntgtaa tttcctgtgc aaaagacgga gtgaaatttt ctgca 525

<210> 70
<211> 511
<212> DNA
<213> Homo sapien

<400> 70
gtcgacattt tatatataat actactaatg gcatagatta acaaaatatt ttacatgtag 60
gaaaggacat aagattactt ttaaagaata gtatgaaata cacaatattc aaatgtgttt 120
gcaatgccta ccaaatttca aatgtgcctg gatcatgtat aaattaagga aagaaaaaag 180
gatcatgtat aaattaagga aagaaaaaat gtaagtatac aacctacacg gtaaaaacaa 240
aaaccaaaca cctggttaaa aatatctatt taagctcgag tgtataacct taaacaattt 300
gtgtatcact agaaaaatgg atttattagt aaaatttagg gcagagattt tattttggac 360
accactgcct ttgtagaaaa atccaaagtg gcataaaaag aaaaataaaa tattaaaaga 420
aaaaatatat attatcattc ccatgttccc atcctgttac tagcattgct gttctggtgc 480
atcaatcctg agtactctaa cttttgattt a 511

<210> 71
<211> 464
<212> DNA
<213> Homo sapien

<400> 71
cctttttttt ttttttgga agagcttctt gcactgttat aagaaagaac atgtgggaga 60
ttgcaaacaa agcaacataa agagtataca gcctgtagga gtctgactaa agtaaaaaaa 120
actcatgtct ttgtttagtg agtatctgta tactaagtta atgcaatgcc aattagattc 180
aaattaaatc aagtacaagc aaatgtactg aaagtattag gaatgcatca tctactttgc 240
taaataattt gcactccgca ttctgcaatt acatgagcat gccattggta taatattggt 300
tatataacat ttaacatgtt agtttttaaa agaatgtaga tacattcata gagatcagta 360
tttttacaga tgtttttact ataaaaggaa ccatgtataa cattgatttt taccttcagt 420
tttgataata ggctgaagac tgccttcaat cactttaatt tttg 464

<210> 72
<211> 234
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(234)
<223> n = A,T,C or G

<400> 72
aataaaannt gaacaaaagg aaaaggtgga tataaagtgg aacctgtggg aaagaggcaa 60
gggctgcagg acagaagaga ctgggaactg caggggccct gggactcagg aggagatgct 120
gattcagctc ataggtgacc cagtcctggc cccggctgtt cccaagagaa ggctgtaagt 180
acccagggag gtggtaagca ggatggagga aaaatcagag gactgggggt cgac 234

<210> 73
<211> 143
<212> DNA
<213> Homo sapien

<400> 73
gtcgactaaa taagtcaatt cctggaattt gaaagagcaa ataaagacct gagaaccttc 60
cagaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaag ggg 143

<210> 74
<211> 533
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(533)
<223> n = A,T,C or G

<400> 74
gtcgacataa tctaggcatg aagagcaaaa atatcccttc cggagtcttt gaagctgaaa 60
atataaaaca aataaaaaat aaaaaaataa aaacccacaa aaatgttgaa ccaaacctcc 120

ctgctaatct ccatgcccac gttctttccc accctgttcc cagtcttctg acaaactgtg 180
tacatagcgg actcctcctt tctcctccga ggtggtttta aaggcttttt ggtgtataga 240
agtttgtcca tttgtaaaac tccggattgc gttcctcccc gccttccgcc ccttcccttc 300
cctaaagtga tgggctttct cttttctctt tttagtttac ccggtttctt tttaagtaat 360
gtggaagaaa atggtttatt ttgtattgng gtattgaata ttgngttcct ttttatgagg 420
caaacctgat tgtaaacttc atgtaactat agactggaaa aaaatgagcc gngccaaaag 480
tctnccccttc tgtttcttca gcacattgac ccatnncaca cacatacaca cca 533

<210> 75
<211> 485
<212> DNA
<213> Homo sapien

<400> 75
gtcgaccttc cctaggctgt ttctgctggg cgctccgcga agatgcagct caagccgatg 60
gagatcaacc ccgagatgct gaacaaagtg ctgtcccggc tgggggtcgc cggccagtgg 120
cgcttcgtgg acgtgctggg gctggaagag gagtctctgg gctcggtgcc agcgcctgcc 180
tgcgcgctgc tgctgctgtt tcccctcacg gcccagcatg agaacttcag gaaaaagcag 240
attgaagagc tgaagggaca agaagttagt cctaaagtgt acttcatgaa gcagaccatt 300
gggaattcct gtggcacaat cggacttatt cacgcagtgg ccaataatca agacaaactg 360
ggatttgagg atggatcagt tctgaaacag tttctttctg aaacagagaa aatgtcccct 420
gaagacagag caaaatgctt tgaaaagaat gaggccatac aggcagccca tgatgccgtg 480
gcaca 485

<210> 76
<211> 417
<212> DNA
<213> Homo sapien

<400> 76
cacgctggtt ttgcatcttc aggagacgct cgtagccctc gcgcttctcc tcggccaatt 60
cgcggaagaa gtggctcacg ccttccagag ccacatcatc gcggtcgaaa tagaagccca 120
gagagaggta ggtgtaggag gcctgcaggt acaaattgac caggctgttg acggctgcct 180
ccacgtcggt ggaataattc tgacgaatct gggagctcat ggttggttgg caagaaggag 240
ctaaccacaa aaacggtgct ggcaggtccc agaagcagga gatggccgag aagatggtcc 300
cggaggttgc aagcggagag gaaatcggag ggcggtcgga ggctggaaga gagtccccgg 360
atctgttccg tccaaacact gttgaagcaa gagacagacc cgcgggaccg cgtcgac 417

<210> 77
<211> 547
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(547)
<223> n = A,T,C or G

<400> 77
gtcgaccttt tattaagaat atattttatc aggcattttg ataacaaact gttactctaa 60
gtataggtga tttacccagt gtattttaaa aagtaaatga atcccactgt agtttttctt 120
gaaggaaaaa tcatttctcc agttgctgag gggtactaaa agcttcatac acattagcag 180
caaagtcttt cacttgctcc attgtcaaca gatcctgaac aaaatgacta ggtgtttcac 240
tgcaaactga atggatctgt ccgtttacta ttggaattat cttagctaaa ggcaggctga 300

cactggaaag actattcata gagttaccat gttgcaggtc ctgttcagta ggtcgaaaga 360
actcagccat attgtctaga agtctactaa aacctcggtt taaacaggta ttcaaaactg 420
tactaaaatc tgggctttcc aacatgtctc tagtttcatt gagaagttta atagtggtaa 480
tgtctcgagg agaangtcca caggcctgca ctgctaatgg agtttcttca tctggcatca 540
tataatg 547

<210> 78
<211> 499
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(499)
<223> n = A,T,C or G

<400> 78
ccttttttnt ttttttttnt tttnnaaaaa aaatcttttt ttatttcaaa gattgcttct 60
tatattgaag ctcatattaa agcaacagta caatgttcat aaaatataag tgtgatgccg 120
taacattttc ttacatgtca gaatactgat atttatatgt atactaaaat aagaacttta 180
aaattgtaca aatagataca ttaaaaatga catagaaata gggcgtctnt cactgaaaca 240
agacagttat atctggcacg tattagttta agatgaaagt agaagcaaaa agatttacaa 300
gaatcagcag taacaagatt gatgctcaag agacataatt gtacattgna ttgtacatac 360
attgtatggg tttaagctgg ctgaatntta tatatttcaa gtttaaaaat gcactacata 420
tagagtgtcc agagtttaag gcgaaattac agctcanaac tgntgncctt tctaattttg 480
gggaagcttn tttgacaac 499

<210> 79
<211> 370
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(370)
<223> n = A,T,C or G

<400> 79
ccttttttnt ttttttttnt ttttaaggag caatgacatt tcctagaagt tactttaaga 60
atttccctag agggtcgggt atcatctcan ccagatcttt ctcatccttc aaggccctgt 120
ttggtacagc ttgctaggaa gctgttccag actgcagcag ccctctctgg ggtctctcta 180
ccacttccca ggcactcana acttgtgcct cannanactg ttttgtggca ctgncccatt 240
ctctgattct ccatgtgagc tggttttatc ccatccagca tggctgtgaa atcctaaagg 300
ttcaaacccc agccactctt cacctatatt tcccccaaat ggctagcacg ggaaagggcc 360
caaaggtagg 370

<210> 80
<211> 428
<212> DNA
<213> Homo sapien

<400> 80
gtcgacaaaa agggaaggaa ggagagacag ataactctca gtcatttaaa aaactacaat 60
aaaatattat gaattatcaa ttagatcaaa gttcctcaca gctatattta tataggtaaa 120

aaaaaattaa ataggctaaa tgcccaaaaa tttaagactg gcaaaatata cttggctaaa 180
tactgtgcgt ctctattaaa taccatgttt cagaagaatt attaatgaca tgagaatatg 240
ctcaaaatac atattgatat gtgcaaatac atattgcaaa gtaagattat agaatgatcc 300
tagttcaaaa atgtcacata tatatgtatt taaaaaaaaa ggcagttaag atttacaaca 360
aaatgttagt ggtgggacct tctggtagga atacagattt ttttttattc agaagttttt 420
tgatgtcg 428

<210> 81
<211> 533
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(533)
<223> n = A,T,C or G

<400> 81
ccttttttttt ttttttttatt tttaaaattt ttttattttg aaataattat aaattatcag 60
aaagttgcaa acaaagccca gtcaggtccc atgtaccagt ttcactgcca ccatctttaa 120
aggaggatta gacgaatctg actgctaaaa gtggcccagg gattctggag aaaatccaac 180
aggtttgcta tcaggaaagc aatttcactt acaattcagg tttgactgca agtgaaagtg 240
gttgaaacaa gtgagaagnt gattgcttcc tcatataata gtctaaatgt aggtgtccaa 300
gcctggaata gaggtcctgg tcctctaagt tctcaggaac acaggcttct tttagccact 360
ccacatctct agggtgttgt cctcatggtc caaaatggng actggaattc cagccatcac 420
atntgctttc caggcagcaa aatggaagaa ggggcacana agaacagaga tgacaatagg 480
tataaacaag ctctcttttt aaaggagatt cccaggagct gctacatgac act 533

<210> 82
<211> 493
<212> DNA
<213> Homo sapien

<400> 82
gtcgacccgc gaagatgcag ctcaagccga tggagatcaa ccccgagatg ctgaacaaag 60
tgctgtcccg gctgggggtc gccggccagt ggcgcttcgt ggacgtgctg gggctggaag 120
aggagtctct gggctcggtg ccagcgcctg cctgcgcgct gctgctgctg tttcccctca 180
cggcccagca tgagaacttc aggaaaaagc agattgaaga gctgaaggga caagaagtta 240
gtcctaaagt gtacttcatg aagcagacca ttgggaattc ctgtggcaca atcggactta 300
ttcacgcagt ggccaataat caagacaaac tgggatttga ggatggatca gttctgaaac 360
agtttctttc tgaaacagag aaaatgtccc ctgaagacag agcaaaatgc tttgaaaaga 420
atgaggccat acaggcagcc catgatgccg tggcacagga aggccaatgt cggggtagat 480
gacaaggtga att 493

<210> 83
<211> 501
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

<400> 83
cctttttttt ttttttgta ataaagacac tgcttttatt tagtttgata tgtttcttta 60
cagaatgcag aaaacacatc ttaaaatcat atagaaggaa ataaaaacac atcagtggtt 120
ggtgaacact tgaatgtgag attggctctc catctcacag agtccaacgg ccatcaccag 180
cccagcgctc aggggagcag gctgcctgca aaggcattgt tgctgttgtt attctgttca 240
ctgccccatc gcctccagtt gctatggcaa caggccattc tgggccagcc acgtctctgc 300
atggcagtgc ccaatggtgg agttgctagg ggcgacggag ctgtttggaa ggcctttcaa 360
agccctcacc tggaacattg ggaattgttt atttttgat gaggncatca gaaataatct 420
tcaccaggtc agatcccact tgtgctcctg tctctggggc accaggggaa actctgactt 480
ggaggcatga gcccagtcac c 501

<210> 84
<211> 454
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(454)
<223> n = A,T,C or G

<400> 84
cctttttttt ttttttttt ttttatgcta ataaaacatc ataatttaag gactacactg 60
catttttaa ttccataaat tataatcctt taacatatat gaaagtttca tattcttaaa 120
gngctttaaa atatatttaa ttttttaac aagtggaaaa gaatgtttct taaaagacat 180
ttaatttttt agtggaaatt aatattacca aaaacattct gtgcataaca atttgaataa 240
caatttttt atcttcaaga aatgggattt ttatataaaa tacacatgta gcactgaatg 300
ccaaagtgat gggtatccat ggtcanaatt caaaattaga ttcgctatta aacctgtctg 360
gtttgtgtcc tgagtgaana atgatctcga gctggggagg gaggtgcatt gggtaatcag 420
tgcttttgaa ggtgaatttc cttgctgnga aata 454

<210> 85
<211> 509
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(509)
<223> n = A,T,C or G

<400> 85
gtcgaccgct ctcagctctc ggcgcacggc ccagcttcct tcaaaatgtc tactgttcac 60
gaaatcctgt gcaagctcag cttggagggt gatcactcta cacccccaag tgcatatggg 120
tctgtcaaag cctatactaa ctttgatgct gagcgggatg ctttgaacat tgaaacagcc 180
atcaagacca aaggtgtgga tgaggtcacc attgtcaaca ttttgaccaa ccgcagcaat 240
gcacagagac aggatattgc cttcgcctac cagagaagga ccaaaaagga acttgcatca 300
gcactgaagt cagccttatc tggccacctg gagacggtga ttttgggcct attgaagaca 360
cctgctcagt atgacgcttc tgagctaaaa gcttccatga aggggctggg aaccgacgag 420
gactctctca ttgagatcat ctgctccaga accaaccagg agctgcagga aattaacaga 480
gtctacaang aaatgtacaa gactgatct 509

<210> 86
<211> 520

<212> DNA
<213> Homo sapien

<400> 86
gtcgacgggc gccagggtct ttgtggattg catgttgaca ttgaccgtga gattcggctt 60
caaaccaata ctgcctttgg aatatgacag aatcaatagc ccagagagct tagtcaaaga 120
cgatatcacg gtctacctta accaaggcac tttcttaagc agaaaatatt gttgaggtta 180
cctttgctgc taaagatcca atcttctaac gccacaacag catagcaaat cctaggataa 240
ttcacctcct catttgacaa atcagagctg taattcactt taacaaatta cgcatttcta 300
tcacgttcac taacagctta tgataagtct gtgtagtctt ccttttctcc agttctgtta 360
cccaatttag attagtaaag cgtacacaac tggaaagact gctgtaataa cacagccttg 420
ttatttttaa gtcctatttt gatattaatt tctgattagt tagtaaataa cacctggatt 480
ctatggagga cctcggtctt catccaagtg gcctgagtat 520

<210> 87
<211> 171
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(171)
<223> n = A,T,C or G

<400> 87
gtcgacgagt acagtatcag ctgagctgac cttactctga ggactaactc ttttgctgga 60
agcggtttct gatttacagc tcttggtttc tcccagacat gttggtggga gagattttgg 120
tttttaaggg gttgttagat ggagtaaann ttctttaagn nttaattttt t 171

<210> 88
<211> 508
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(508)
<223> n = A,T,C or G

<400> 88
ccttttttttt ttttttttttt tttttgnagt aaaaaatctt tatttccaaa atgatttgtt 60
agccaaaaga actataaacc acctaacaag actttggtaa gaaagagact tgatgcttct 120
tataaattcc ccattgcaaa caaaaaataa caatccaaca agagtcatgt tacccattct 180
tagccattaa cctggtttta agtctccaaa atcaggattt taaaatgtac ccaactggga 240
ccaaatacaa acatgagaca ctagggnggc ttgtccttga ttaggaatca ccagcttaag 300
gaactttatc atgggctgag agttagatag atagcttana acaacattgc aaaagngggt 360
gcttctacat gaggactttt ttccccccaa gtagaaaaat aattaaatct tgngtttctt 420
tatattgngc ttttttttggg agaaagcaat tcatttaagg atttaaaaca tgttggatac 480
aaaggtagtt canagatgta ataatggt 508

<210> 89
<211> 508
<212> DNA
<213> Homo sapien

<400> 89
gtcgacggga taaatagaaa gcagaatgaa ttaatggaaa agaactcggc tgttaggcca 60
ttctctaaat tctagtttag ccaaaagttt atgtgtggtt tggggcttca tttatttatc 120
tcatgagtaa aatggaataa tacctaacag gcaggctctg gaagttggaa atcacataca 180
cacacacaca cacacagaca cacacacaca cgatcaatca tgtagctcat attagatgtt 240
caataaataa cagctactac agatgcctat cagttgagta agtagttcat taaattgagc 300
tcccaaaggt ctcttctctt cacatccata tccgtttctg cagcaatcaa atagatacat 360
gattgttttt ctgtaagaaa ttactgcaaa gagaatcttt ttctcctact aactgttcct 420
tctacctggt ataggagata aatgtacgtt tcttaattag ctgacttttt agtatgtcat 480
ttctgaagga aaaataaatt aacccttaa 508

<210> 90
<211> 531
<212> DNA
<213> Homo sapien

<400> 90
gtcgacacga gtcccgcgtt ctctccttga atccactcgc cagcccgccg ccctctgccg 60
ccgcaccctg cacacccgcc cctctcctgt gccaggaact tgctactacc agcaccatgc 120
cctaccaata tccagcactg accccggagc agaagaagga gctgtctgac atcgctcacc 180
gcatcgtggc acctggcaag ggcatcctgg ctgcagatga gtccactggg agcattgcca 240
agcggctgca gtccattggc accgagaaca ccgaggagaa ccggcgcttc taccgccagc 300
tgctgctgac agctgacgac cgcgtgaacc cctgcattgg gggtgtcatc ctcttccatg 360
agacactcta ccagaaggcg gatgatgggc gtcccttccc ccaagttatc aaatccaagg 420
gcggtgttgt gggcatcaag gtagacaagg gcgtggtccc cctggcaggg acaaatggcg 480
agactaccac ccaagggttg gatgggctgt ctgagcgctg tgcccagtac a 531

<210> 91
<211> 426
<212> DNA
<213> Homo sapien

<400> 91
gtcgacaatt gaggcctaca agagagggga gcctaggagc ttggattgac cttctagtca 60
accacctgac ttcagcacac cattacaatc gggagactaa accaacaacc agaggatcta 120
aaatgtcaca ttcagatttt caggaagaaa atcttcatta cagtggagca caaatgttcc 180
atacaagaca tcattgagga gccatgctgt ccccttctaa cctgaaacac attctttccc 240
atcctggttg ggcttctgta cctccttatt aatttatgaa cctgaagttg cttgaagtgt 300
tttgggctta ataaatgggg tgaaagtata ggtagcagta acacctacat gaaacaatac 360
accttggatc ttttaatcta aattactttt ctttttaag tctactttta aaataaatac 420
ttctgt 426

<210> 92
<211> 223
<212> DNA
<213> Homo sapien

<400> 92
gtcgactttt aaagcaattg actaggagaa actatttgta gcttatataa caaggactat 60
atataaataa aaaactattt ctatgaaaat cttaaaatta cacacagtcc gatgaaaata 120
atcatatatt aaaaaggcaa accagaaaaa taaatacaga tgaccaaaat ccatgtgaca 180
tatttggcct aattagtaat tagaaaaaaa aaaaaaaaaa aaa 223

<210> 93
<211> 486
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(486)
<223> n = A,T,C or G

<400> 93
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cctttttttt tttttttttt tttttttttt tctcaaatat ccaattttat tttatcattc    60
tcgcattggg ggatgcgatc tgcagctagg atcggaattc ccaggcctat anatttttaa   120
accacaccac aggggtaaac cttaaaagaa gngaaaccta acactatata tatttccatt   180
tctaaataca gtatattaca naagtttaaa tatnccacct ntgngtactt acaactntaa   240
aaagatncaa tanctctacc aattataaat aatgtancat ttcatattaa agacattatc   300
gtncaatgga anaataggaa ccctntaacg tatcactatc aaggttagng tctatatcta   360
cttganataa aatactgaaa attcagngta tgaagccaaa tcctgattta acaagttatt   420
ggtagtataa gtgataagtg ttanctgatg aagggaaggc aaatgtggta atttatatct   480
ctgaca                                                              486
```

<210> 94
<211> 214
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(214)
<223> n = A,T,C or G

<400> 94
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cctttttttt tttttttttt tttttttttt tttttngcaa cacaagtcaa tctttattga    60
aaactgcagt attaatacat aacaattctt gttacaataa acgtgctttt ganattttta   120
aatctgagct catctcatca gattgcataa aaaattaaaa tagtntcaat tgacacctaa   180
ctgaactggc tcaggatgga aattccattc cttg                               214
```

<210> 95
<211> 463
<212> DNA
<213> Homo sapien

<400> 95
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gtcgaccaga attcagagcg aatggtcaca gttggtcgct gggcaaaggg aatgagtgca    60
gactatgaag aaattttgga tgtacctaaa ccgcaaaaac ccaaaacaaa aatacctaaa   120
gttgttaatt tttgataaca gctagcacta tcatgagtta ctacctcatt gttactttct   180
aaaccaggcc cgcttcacga gttagagttg agctcccctg tagccaggac tatgctgtag   240
atatcagtat gatctgggtg tggccaaaaa caattttctt tattctgtct atcaaatagt   300
acttctacca ctgtttggag aaaattgaag aaaagaataa gatgattaaa tgaattctct   360
aaaagaacat attttaagag acagaactta gacataacca agtagttgta tacctgattg   420
taacaatcat cttttataaa agcaaaatta tgcataaatg taa                     463
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<210> 96
<211> 606

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(606)
<223> n = A,T,C or G

<400> 96
gtcgacttta aaagtgcctc ggcatcctgt attacatgtc atagaattgt aaagtcaaca 60
tcaattacta gtaatcattc tgcactcact gggtgcatag catggttaga ggggctagag 120
atggacagtc atcaactggc ggatatagcg gtacatatga tccttagcca ccagggcaca 180
agcttaccag tagacaatac agacagagct tttgttgagc tgtaactgag ctatggaata 240
gcttctttga tgtacctctt tgccttaaat tgctttttag ttctaagatt gtagaatgat 300
cctttcaaat tgtaatcttt tctaacagag atattttaat atacttgctt tcttaaaaaa 360
caaaaaaact actgtcagta ttaatactga gccagactgg catctacaga tttcagatct 420
atcatttat tgattcttaa gcttgtatta aaaactaggc aatatcatca tggatacata 480
ggagaagaca catttacaat cattcattgg gccttttatc tgtctatcca tccatcatca 540
tttgaggcct aatatatgcc aagtactcac atggtatgca ttgngacata aaaaagactg 600
tctata 606

<210> 97
<211> 530
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(530)
<223> n = A,T,C or G

<400> 97
ccttttttttt ttttttgta gatttttgc tatgttactc aggctggtct tggactcctg 60
ggctcaagcg atcctcccac cttggcttcc caaagtgcca ggattatagg catgagccac 120
catgctcggc ctgctccttt tcttgaaaca cctcctctgt ggtttagatt ccaggagact 180
ggaatggtct gccctggtgg gctgctgagt cagggacctg aggtgtttgt tcactgggga 240
ggcgggttca gatcaggaat gtaaggatga tggaaagaag ggagtcactc tggtttggtg 300
ggactgggga gcaatcttga tcacggccac ttacagcttc tgccattgtc cttcaccact 360
atctcagcat ctcggtccct cacgatgtcc ctccagtcaa ttgtgtccat gtgacaaagc 420
ttatcgttct tctcaatata aacacccccct gacagaatct cggtgagctg agtcaagcgg 480
agctggcgca nagcgtggct ggagttggtg ttatagttca acatgacgaa 530

<210> 98
<211> 479
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(479)
<223> n = A,T,C or G

<400> 98
gtcgacggtt agtttctgcg acttgtgttg ggactgctga taggaagatg tcttcaggaa 60

atgctaaaat tgggcaccct gcccccaact tcaaagccac agctgttatg ccagatggtc 120
agtttaaaga tatcagcctg tctgactaca aaggaaaata tgttgtgttc ttcttttacc 180
ctcttgactt cacctttgtg tgccccacgg agatcattgc tttcagtgat agggcagaag 240
aatttaagaa actcaactgc caagtgattg gtgcttctgt ggattctcac ttctgtcatc 300
tagcatgggt caatacacct aagaaacaag gaggactggg acccatgaac attcctttgg 360
tatcagaccc gaagcgcacc attgctcang attatggggt cttaaaggct gatgaaggca 420
tctcgttcag ggggcctttt tatcattgat gataagggta ttcttcggca gatcactgt 479

<210> 99
<211> 502
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(502)
<223> n = A,T,C or G

<400> 99
ccttttttttt ttttttttgta agtttaaatt tatttttttaa aaatgcttgt cttcctcact 60
agacaatcaa ctctatgagg gcagagacta tgtcaccact gtcccaccag cccctggcac 120
acagtaggta ctcaataaat atatgttgga aggatggatg gaggtaatgg atggaaagat 180
ggatggaagg atgaatggag ggatggatgt gacccagctg aagtgtgagt aggaacattc 240
tcttattatg ggtggaggaa agagagagga gattgagaaa ataagataaa atacattgat 300
gagcatcatt tttggtgttc gaaaagtagg attgaattag gactaataaa tctagagaat 360
tttacctctt tcaatgccca agccacactt ttctatcact ttgaaaccga aaaagtaaat 420
actttcccaa catttgcttt gctggtagga aatgctttaa taaaaatgca atctctangt 480
tgccatggca tcattaaaag aa 502

<210> 100
<211> 537
<212> DNA
<213> Homo sapien

<400> 100
gtcgaccctt tccataaatc cttgatgatt gacaacaccc atttttcctt ttgccgaccc 60
caagagtttt gggagttgta gttaatcatc aagagaattt ggggcttcca agttgttcgg 120
gccaaggacc tgagacctga agggttgact ttacccattt gggtgggagt gttgagcatc 180
tgtccccctt tagatctctg aagccacaaa taggatgctt gggaagactc ctagctgtcc 240
tttttcctct ccacacagtg ctcaaggcca gcttatagtc atatatatca cccagacata 300
aaggaaaaga cacatttttt aggaaatgtt tttaataaaa gaaaattaca aaaaaaaatt 360
ttaaagaccc ctaacccttt gtgtgctctc cattctgctc cttccccatc gttgccccca 420
tttctgaggt gcactgggag gctccccttc tatttggggc ttgatgactt ttctttttgt 480
agctggggct ttgatgttcc tttccagtgt catttctcat ccacataccc tgacctg 537

<210> 101
<211> 611
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(611)
<223> n = A,T,C or G

<400> 101
gtcgacctaa aatgaagtgt ttgaaatcag aaatctattt ctaatgtctc atagctttaa 60
aactattttt gtccttatac tcatacttgt tattttattt tattcatcct atatagccat 120
ttgactgaaa tgtagaaaat aatttattaa attgagaaaa tatgcaggca ttgaacaatc 180
tttcaagtat tttgaataaa aattcaaatt attatagatt gcctggaatt gttaagactg 240
tcagaaggtc agctcattga tagctaagta gtatacactc tgaaaaacag aatgtagaaa 300
tgggttttat aaaagctgac ctctagagta aaggaggacc cagcatgtgt aattcttcct 360
cttaatactt taagaccact aatttgagga cttatggttt ctcaccactg cactcttgca 420
gctttcaaga aagtacttaa gttttaaatg cccaggtgat ttctaagact cttgaataga 480
attggttggg ttcttctgat attgcatttt catgagaaaa aatttcagtg gtacattaat 540
ttttattttt ccttttgctt atagacttcg catatcattt aaagtgatgg ttcgagcttn 600
ctctggatac t 611

<210> 102
<211> 498
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(498)
<223> n = A,T,C or G

<400> 102
cctttttttt ttttttttta acgcatattt gtttttattt ataggtaact accacatgaa 60
ttataaagac aacaaaggat gtcagaatga acatggatag gtgtatgcat actacggcta 120
aggagaaaca atgttcctac atattatggg tagtgagaac attatctgta taacagggaa 180
ctgtgattat ttaaaaatat gcagaactta tttcatctgt gctttanaaa taactgtata 240
cagtgttata agttgaaaag aactcaaaat aactaatacc aaatatacac ctatgtatta 300
naattcaaaa aagctgcttt ctgtgaagtc aatcagctat attaaaaaat gacacaaatc 360
caaaacaaga tgcatgttat atataaaggg acattgtaag tttccttgct gcattaaacc 420
catggtttaa tccatgaaat ttccttttaa ttatcattta gacagaagca tgcaaatagt 480
ctcaggatct acttaaga 498

<210> 103
<211> 446
<212> DNA
<213> Homo sapien

<400> 103
gtcgactctt ggtgtttttg tatttccacc tcacccccag cacatagccc agtctcttgc 60
acaaattaag tacttaatgt gtgttgagct aaattgaata aaggattatt agcattagca 120
tattttgtgc cttggttgta taagctggtt gtttgttttg ttacctttgc aaatatttat 180
gattatcacc cccccacata ctaaattgtt tttaaaagtt ttgcctttcc ttcagatact 240
accccaggca atttgctgta gataatgtga ttgcttccaa tgacataatt atcccaaact 300
ctctgccccg gatatacttt gccaaacgaa atttgaattc tctgaataaa ttggtcatgt 360
cctaaaaaaa aaaaaaaaaa aaaaaaaggg gcggccgctc gagtctagag ggccccgttt 420
taaaccccgc tgatcagcct cgactg 446

<210> 104
<211> 286
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(286)
<223> n = A,T,C or G

<400> 104
gtcgaccttc gttatccgcg atgcgtntcc tggcagctac attcctgctc ctggcgctca 60
gcaccgctgc ccaggccgaa ccggtgcagt tcaaggactg cggttctgtg gatggagtta 120
taaaggaagt gaatgtgagc ccatgcccca cccaaccctg ccagctgagc aaaggacagt 180
cttacagcgt caatgtcacc ttcaccagca atattcagtc taaaagcagc aaggccgtgg 240
tgcatggcat cctgatgggc gtcccanttc cctttcccat tcctga 286

<210> 105
<211> 406
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(406)
<223> n = A,T,C or G

<400> 105
gtcgacgcgt agcagagtgg tcgttgtctt tctaggtctc agccggtcgt cgcgacgttc 60
gcccgctcgc tctgaggctc ctgaagccga aaccagctag actttcctcc ttcccgcctg 120
cctgtagcgg cgttgttgcc actccgccac catgttcgag gcgcgcctgg tccagggctc 180
catcctcaag aaggtgttgg aggcactcaa ggacctcatc aacgaggcct gctgggatat 240
tagctccagc ggtgtaaacc tgcagagcat ggactcgtcc cacgtctctt tggtgcagct 300
caccctgcgg tctgagggct tcgacaccta ccgctgcgac cgcaacctgg ccatgggcgt 360
gaacctcacc agtatgtnca aaatactaaa atgcgccggc aatgaa 406

<210> 106
<211> 258
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(258)
<223> n = A,T,C or G

<400> 106
gtcgacgatt ttttttgtac attttggctg cagtattggt ggtagaatat actataatat 60
ggatcatctc tacttctgta tttatttatt tattactaga cctcaaccac agtcttcttt 120
ttccccttcc acctctcttt gcctgtagga tgtactgtat gtagtcatgc actttgtatt 180
aatatattan aaatctacag atctgttttg nacttttttat actgttggat acttataatc 240
aaaactttta ctagggta 258

<210> 107
<211> 369
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(369)
<223> n = A,T,C or G

<400> 107
gtcgacgtaa aatagaaaca gaaggggact ttatcaacct gattaacttt ctcaacatgt 60
taacctaca gttaacatta taatcaatgg tgaatcattg agtactttcc ttctaagatc 120
agaaacagtt caaagtccac tctcaccatt tctattcaac attgtactgg aatcccagcc 180
agtgcagtaa taccaataat aaaaaattaa agtcataaag attgaaaagg atgaagtaaa 240
gctatttcaa ttntatttag aagtatttag aaaccccaaa gaatctacaa aaaactaata 300
gaaataagtg aatatatgaa ggtcttacta tacaagatca acatatcaaa agcagtggta 360
tttaagaaa 369

<210> 108
<211> 289
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(289)
<223> n = A,T,C or G

<400> 108
gtcgacattg catccttgaa atcctgggct caggtgatcc tcccgcctga gcctcctgag 60
tatctgggac tacagatgcg tgccaccaag cctggctaat tttgtctcat gtcttctaaa 120
aattattttg tgaagcccct tcacaaaaaa ccttaaggga aatctgatgg tgctcaggaa 180
tctaactctc cctaaaccat cctctttaac tgcttctaaa atatctctgt tggcctttct 240
tanccttttt ctgtttccat tcagtgctcc aagcgctttt tgtttctaa 289

<210> 109
<211> 444
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(444)
<223> n = A,T,C or G

<400> 109
gtcgacctgg cgttggcacc gctgaggaat gggcctgggc ggggagggac atctctacac 60
cgttcccatc cgggaacagg gcaacatcta caagcccaac aacaaggcca tggcagacga 120
gctgagcgag aagcaagtgt acgacgcgca caccaaggag atcgacctgg tcaaccgcga 180
ccctaaacac ctcaacgatg acgtggtcaa gattgacttt gaagatgtga ttgcagaacc 240
agaagggaca cacagttttg acggcatttg gaaggccagc ttcaccacct tcactgtgac 300
naaatactgg ttttaccgct tgctgtctgc cctctttggc atcccgatgg cactcatctg 360
gggcatttaa cttcgccatt ctctctttcc tgcacatntg ggcagttgta accatgcatt 420
aagagcttcc tgattgagat tcag 444

<210> 110
<211> 196
<212> DNA

<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(196)
<223> n = A,T,C or G

<400> 110
ccttttttt tttttcatt aaataancca tcatcacatt agtacaatac aattttatat 60
tttttaaata tactatatat gttaaggata aggggtgaag ttttcttcct ttgtaatacc 120
tgttcaagag tttaatggat taggagatta gngttaacct tgaggataaa agtncaaatt 180
tgtctcatta ggacac 196

<210> 111
<211> 544
<212> DNA
<213> Homo sapien

<400> 111
gtcgacctca gccggtcgtc gcgacgttcg cccgctcgct ctgaggctcc tgaagccgaa 60
accagctaga ctttcctcct tcccgcctgc ctgtagcggc gttgttgcca ctccgccacc 120
atgttcgagg cgcgcctggt ccagggctcc atcctcaaga aggtgttgga ggcactcaag 180
gacctcatca acgaggcctg ctgggatatt agctccagcg gtgtaaacct gcagagcatg 240
gactcgtccc acgtctcttt ggtgcagctc accctgcggt ctgagggctt cgacacctac 300
cgctgcgacc gcaacctggc catgggcgtg aacctcacca gtatgtccaa aatactaaaa 360
tgcgccggca atgaagatat cattacacta agggccgaag ataacgcgga taccttggcg 420
ctagtatttg aagcaccaaa ccaggagaaa gtttcagact atgaaatgaa gttgatggat 480
ttagatgttg aacaacttgg aattccagaa caggagtact gctgtgtagt aaagatgcct 540
tctg 544

<210> 112
<211> 378
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(378)
<223> n = A,T,C or G

<400> 112
gtcgacacgg cttccgcacg gtcatccgcc ccttctacct gaccaactcc tcaggtgtgg 60
actagacggc gtggcccaag ggtggtgaga accggagaac cccaggacgc cctcactgca 120
ggctcccctc ctcggcttcc ttcctctctg caatgacctt caacaaccgg ccaccagatg 180
tcgccctact cacctgagcg ctcagcttca agaaattact ggaaggcttc cactagggtc 240
caccaggagt tctcccacca cctcaccagt ttccaggtgg taagcaccag gacgccctcg 300
aggttgctct gggatccccc cacagcccct ggncagtctg cccttgncac tggtctgaag 360
gtcattaaaa ttacattg 378

<210> 113
<211> 530
<212> DNA
<213> Homo sapien

<400> 113
gtcgacgtcg ttgtctttct aggtctcagc cggtcgtcgc gacgttcgcc cgctcgctct 60
gaggctcctg aagccgaaac cagctagact ttcctccttc ccgcctgcct gtagcggcgt 120
tgttgccact ccgccaccat gttcgaggcg cgcctggtcc agggctccat cctcaagaag 180
gtgttggagg cactcaagga cctcatcaac gaggcctgct gggatattag ctccagcggt 240
gtaaacctgc agagcatgga ctcgtcccac gtctctttgg tgcagctcac cctgcggtct 300
gagggcttcg acacctaccg ctgcgaccgc aacctggcca tgggcgtgaa cctcaccagt 360
atgtccaaaa tactaaaatg cgccggcaat gaagatatca ttacactaag ggccgaagat 420
aacgcggata ccttggcgct agtatttgaa gcaccaaacc aggagaaagt ttcagactat 480
gaaatgaagt tgatggattt agatgttgaa caacttggaa ttccagaaca 530

<210> 114
<211> 178
<212> DNA
<213> Homo sapien

<400> 114
gtcgacattt cttcctaata ttctataatc tccaactcct gaaaacccct ctctcaacta 60
atactttgct gttgaaatgt tgtgaaatgt taagtgtctg gaaatttttt ttttctaaga 120
aaaactatta aagtacttcc tagtagggca aaaaaaaaaa aaaaaaaaaa aaaaaaaa 178

<210> 115
<211> 211
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(211)
<223> n = A,T,C or G

<400> 115
cctttttttt ttttttttng gntcaatctt ttatttggaa caaaggaaaa aaggactgac 60
accagtttag cctttgagtg tgcaaagctc tgccctccct cccacccctn agccccaaat 120
ccaanatttc atagccctaa cacccaccca agcagnttcc ctcacacatg ccctttgntt 180
tcttcctctc ttctatggtt ccttaggnaa a 211

<210> 116
<211> 439
<212> DNA
<213> Homo sapien

<400> 116
gtcgacctgt cactcactac atgaataagc aaatattgtc ttcaaaagaa tgcacaagaa 60
ccacaattaa gatgtcatat tattttgaaa gtacaaaata tactaaaaga gtgtgtgtgt 120
attcacgcag ttactcgctt ccattttttat gacctttcaa ctataggtaa taactcttag 180
agaaattaat ttaatattag aatttctatt atgaatcatg tgaaagcatg acattcgttc 240
acaatagcac tattttaaat aaattataag ctttaaggta cgaagtattt aatagatcta 300
atcaaatatg ttgattcatg gctataataa agcaggagca attataaaat cttcaatcaa 360
ttgaactttt acaaaaacca cttgagaatt tcatgagcac tttaaaatct gaactttcaa 420
agcttgctat taaatcatt 439

<210> 117
<211> 357

<212> DNA
<213> Homo sapien

<400> 117
gtcgactcca aattgacttt gcagcagggt ggcagggtca ggagagtctg gtcctgccta 60
gctcagattt catggcacct gcacttgaag caagtcactt ctttatcaca ggtgtcttga 120
aacattagct tcttttacca acctgagaaa attaggatga cctggcaaat aagatcttga 180
ataggccaaa agcaagtatc ttgctgtgtg tagtctcttg gttaaagtga agaaacagta 240
ctgttcacac ctttcttcac tgagattcca gtgtacatga gaacatatat ttattgcatg 300
attttctaga tacacagtct atgcattatt catatacatt tattttagcc taaagtg 357

<210> 118
<211> 431
<212> DNA
<213> Homo sapien

<400> 118
cctccctgag gaaattagga acctgttggc agatgttgaa acatttgtag cagatatact 60
gaaaggagaa aatttatcca agaaagcaaa ggaaaagaga gaatccctta ttaagaagat 120
aaaagatgta aagtctatct atcttcagga atttcaagac aaaggtgatg cagaagatgg 180
ggaagaatat gatgaccctt ttgctgggcc tccagacact atttcattag cctcagaacg 240
atatgataaa gacgatgaag ccccctctga tggagcccag tttcctccaa ttgcagcaca 300
agaccttcct tttgttctaa aggctggcta ccttgaaaaa cgcagaaaag atcacagctt 360
tctgggattt gaatggcaga aaacggtggt gtgctctcag taaaacggta ttctattatt 420
atggaagtga t 431

<210> 119
<211> 131
<212> DNA
<213> Homo sapien

<400> 119
cccctcgccc gtcacgcacc gcacgttcgt ggggaacctg gcgctaaacc attcgtagac 60
gacctgcttc tgggtcgggg tttcgtacgt agcagagcag ctccctcgct gcgatctatt 120
gaaaggtcga c 131

<210> 120
<211> 409
<212> DNA
<213> Homo sapien

<400> 120
gtcgacgtaa aagccacaca gaaatcaaaa gataagaata tagtttcagc taccaaaaag 60
cagcctcaga ataaaagtgc atttcagaag acaggaccca gctccttgaa gtctcctggc 120
cgtaccccac tgtccatcgt gagcctaccc cagtcttcta ccaaaacaca aactgcaccg 180
aagtcagcac agactgtcgc taagagccag cattcaacta aagggcctcc cagaagtggc 240
aaaaccccag cttcaatcag gaaaccaccc tcatctgtta aggatgcaga tagtggagat 300
aaaaaaccta ctgcaaagaa aaaggaagat gatgaccatt attttgtcat gactggaagt 360
aagaaaccta gaaaataaat acatactcat tataaaaaaa aaaaaaaag 409

<210> 121
<211> 131
<212> DNA
<213> Homo sapien

<400> 121
cccctcgccc gtcacgcacc gcacgttcgt ggggaacctg gcgctaaacc attcgtagac 60
gacctgcttc tgggtcgggg tttcgtacgt agcagagcag ctccctcgct gcgatctatt 120
gaaaggtcga c 131

<210> 122
<211> 130
<212> DNA
<213> Homo sapien

<400> 122
gtcgaccttt caatagatcg cagcgaggga gctgctctgc tacgtacgaa accccgaccc 60
agaagcaggt cgtctacgaa tggtttagcg ccaggttccc cacgaacgtg cggtgcgtga 120
cgggcgaggg 130

<210> 123
<211> 424
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(424)
<223> n = A,T,C or G

<400> 123
gtcgacgaga tgtggagtgg ctaaaagaag cctgtgttcc tgagaactta gaggaccagg 60
acctctattc caggcttgga cacctacatt tagactatta tatgaggaag caatcaactt 120
ctcacttgtt tcaaccactt tcacttgcag tcaaacctga attgtaagtg aaattgcttt 180
cctgatagca aacctgttgg attttctcca gaatccctgg gccactttta gcagtcagat 240
tcgtctaatc ctcctttaaa gatggtggca gtgaaactgg tacatgggac ctgactgggc 300
tttgtttgca actttctgat aatttataat tatttcaaaa taaaaaaatt ttaaaaataa 360
aaaaaaaaaa aaagggcggc cgctcggagt ctagagggcc cgtttaaacc cgntgatcag 420
cctc 424

<210> 124
<211> 548
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(548)
<223> n = A,T,C or G

<400> 124
ccttttttttt tttttttctc tagtaatgac tttattcatg aatctataat ggaattcaaa 60
atagcaaaga acatgaaaat gttcanatta atatttatta accaaatgca tcanaaaata 120
catctatttt cacatatcaa aagtgcctaa aatgcatgtg anaatataaa tattctccac 180
tttgnggaac ttcaagataa tgaaaaattg cttaatacac tttgccacaa aaactcatta 240
cactgcaaat ncagaanaaa taaaataact cattacattg cagatncaaa agaaatcaaa 300
tgtaactggc aaaataacca tttcatggct aatctttngg naaagngcta ttttcacact 360
gaaaaaaaga anttagaaaa gattaaaaat tttaaattct gaaccatcat tctnaaagtc 420

tgaagcgttt tctttagtat tcactatgtt catcacattc atgtgtnccc aacatgagac 480
taaacactat ctcaaaatct taaaaaatct ttccatncac anattatttc ctggaagnta 540
aaaattat 548

<210> 125
<211> 562
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(562)
<223> n = A,T,C or G

<400> 125
gtcgacgctc ctaacaaaga agatatcttg aaaatttcag aggatgagcg catggagctc 60
agtaagagct ttcgagtata ctgtattatc cttgtaaaac ccaaagatgt gagtctttgg 120
gctgcagtaa aggagacttg gaccaaacac tgtgacaaag cagagttctt cagttctgaa 180
aatgttaaag tgtttgagtc aattaatatg gacacaaatg acatgtggtt aatgatgaga 240
aaagcttaca aatacgcctt tgataagtat agagaccaat acaactggtt cttccttgca 300
cgccccacta cgtttgctat cattgaaaac ctaaagtatt ttttgttaaa aaaggatcca 360
tcacagcctt tctatctagg ccacactata aaatctggag accttgaata tgtgggtatg 420
gaaggaggaa ttgtcttaag tgtagaatca atgaaaagac ttaacagcct tctcaatatc 480
ccagaaaagt gtcctgaaca gggagggatg atttggaaga tatctgaaga taaacagcta 540
gcagnttgcc tgaaatatgc tg 562

<210> 126
<211> 131
<212> DNA
<213> Homo sapien

<400> 126
cccctcgccc gtcacgcacc gcacgttcgt ggggaacctg gcgctaaacc attcgtagac 60
gacctgcttc tgggtcgggg tttcgtacgt agcagagcag ctccctcgct gcgatctatt 120
gaaaggtcga c 131

<210> 127
<211> 512
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(512)
<223> n = A,T,C or G

<400> 127
gtcgacgtcc ggcttcggag cgggagtgtt cgttgtgcca gcgactaaaa agagaattaa 60
atatgggtga tgttgagaaa ggcaagaaga tttttattat gaagtgttcc cagtgccaca 120
ccgttgaaaa gggaggcaag cacaagactg ggccaaatct ccatggtctc tttgggcgga 180
agacaggtca ggcccctgga tactcttaca cagccgccaa taagaacaaa ggcatcatct 240
ggggagagga tacactgatg gagtatttgg agaatcccaa gaagtacatc cctggaacaa 300
aaatgatctt tgtcggcatt aagaagaagg aagaaagggc agacttaata gcttatctca 360
aaaaagctac taatgagtaa taattggcca ctgccttatt tattacaaaa cagaaatgtc 420

tcatgacttt tttatgtgta ccatccttta atagatctca tacaccagan tttcagatca 480
tgaatgactg acagaatatt ttgttgggca gt 512

<210> 128
<211> 483
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(483)
<223> n = A,T,C or G

<400> 128
gtcgacgttt ttgtgatact gacacatccc ccctttcaga acaccctctg cccttggatt 60
ctgtgcacag gaagctagtt gctcccctga atacactctt tcttccttgt aatacagcct 120
ctgattttga gcccaagaat aaagactaca gttctcagac tccttcgcaa ataaattttg 180
tgactaaact ctagtcaaca gtaagtgtca tgtagcagct cctgggaatc tcctttaaaa 240
agagagcttg tttatacctа ttgtcatctc tgttcttctg tgccccttct tccattttgc 300
tgcctggaaa gcagatgtga tggctggaat tccagtcacc attttggacc atgaggacaa 360
caccctanag atgtggagtg gctaaaagaa gcctgtgttc ctgagaactt anaggaccan 420
gacctctatt ccaggcttgn acacctanat ttanactatt atatgaggaa gcaatcaact 480
tct 483

<210> 129
<211> 326
<212> DNA
<213> Homo sapien

<400> 129
gtcgaccttt tatctgtcta tccatccatc atcatttgaa ggcctaatat atgccaagta 60
ctcacatggt atgcattgag acataaaaaa gactgtctat aacctcaata agtattaaaa 120
atcccattat tacccataag gttcatctta tttcattttt agggaataaa attacatgtc 180
tatgaaattt caattttaag cactattgtt tttcatgacc ataatttatt tttaaaaata 240
aattaaaggt taattatatg catgtatgta tttctaataa ttaaaaatgt gttcaatccc 300
tgaaaaaaaa aaaaaaaaaa aaaaaa 326

<210> 130
<211> 276
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(276)
<223> n = A,T,C or G

<400> 130
gtcgacggac accagctgcg gaanttgcgg ctttggcaga ttgaaatcat ggcaggtcca 60
gaaagtgatg cgcaatacca gttcactggt attaaaaaat atttcaactc ttatactctc 120
acaggtagaa tgaactgtgt actggccaca tatggaagca ttgcattgat tgtcttatat 180
ttcaagttaa ggtccaaaaa aactccagct gtgaaagcaa cataaatgga ttttaaactg 240
tctacggttc ttaacctcat ctgttaagtt cccatg 276

<210> 131
<211> 482
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(482)
<223> n = A,T,C or G

<400> 131
ccttttttttt ttttttttaa attttaaggt tatttttatt tacaactttt gaaaaatgta 60
catttttttt tacatgggtt acttgtgcaa agttagattt ggaagtgata aatgcataaa 120
aggngacaat agaacattan acaaaacatt tacaagcctt gtcccatact gctacttaaa 180
ggtactatat atctaaaagt ataaatatcc aaaaaaagat cgcanacatt ggctttaagg 240
ttctcanatg ctgaaaggga anaaattaaa gcatgcagca ataactcagg atttgagtgg 300
aaaatagttn gccacanata tgctatgctc ccttccttga attcattaaa actctaaaat 360
aaagatggac aattgagttt attcacttag ggcagcactg atcctttaaa aagattaaag 420
gagctccaac tttccctagc tnaaaaactc acnatngttt ccattcctct gctcccacac 480
ct 482

<210> 132
<211> 428
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(428)
<223> n = A,T,C or G

<400> 132
ccttttttttt ttttttttgtc taaaaggcaa aaaactacaa acagcccaag tcctgagctc 60
cccaagacct ggatcctcca ctgtcccccct gaaacccggc aggaggcggg atggggagca 120
caanaggtgg gttcttaaaa aagtcacccc tggatgggaa agctcttcat cttctgccgc 180
cttcctntgc ctcccgctgc tgccgaggag agagatggan aggaccgggg ctatgccggc 240
aaactcaact tcttcccctt taggactttg gngatataga ggtanaanaa atcgcagtan 300
aggactgtct ggaccaggcc tgccacaatg gcnatgaggt cgaagaancc ctcgaaangg 360
taagcgccan anccagttga anagatanag cgtggcggta aacgcctagc gcaaacaagt 420
agnggctg 428

<210> 133
<211> 537
<212> DNA
<213> Homo sapien

<400> 133
gtcgacccca aacccactcc accttactac cagacaacct tagccaaacc atttacccaa 60
ataaagtata ggcgatagaa attgaaacct ggcgcaatag atatagtacc gcaagggaaa 120
gatgaaaaat tataaccaag cataatatag caaggactaa cccctatacc ttctgcataa 180
tgaattaact agaaataact ttgcaaggag agccaaagct aagacccccg aaaccagacg 240
agctacctaa gaacagctaa aagagcacac ccgtctatgt agcaaaatag tgggaagatt 300
tataggtaga ggcgacaaac ctaccgagcc tggtgatagc tggttgtcca agatagaatc 360
ttagttcaac tttaaatttg cccacagaac cctctaaatc cccttgtaaa tttaactgtt 420

agtccaaaga ggaacagctc tttggacact aggaaaaaac cttgtagaga gagtaaaaaa 480
tttaacaccc atagtaggcc taaaagcagc caccaattaa gaaagcgttc aagctca 537

<210> 134
<211> 535
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(535)
<223> n = A,T,C or G

<400> 134
gtcgactcct ctcacatggt ggctttagga agatccttgg ccaggagggt gatgccagct 60
atcttgcttc tgaaatatct acctgggatg gagtgatagt aacaccttca gaaaaggctt 120
atgagaagcc accagagaag aaggaaggag aggaagaaga ggagaataca gaagaaccac 180
ctcaaggaga ggaagaagaa agcatggaaa ctcaggagtg acattccctt cactcctttt 240
cctacccaag gggaagact ggagcctaag ctgcctgcta ctgggcttta catggtgaca 300
gacatttccg tgggataggg aagatagcag gaagaaaagt aaactccata gaagtgtcat 360
tccactgggt tttgatattg gcttagctgc cagtctccca tttgtgacct atgccatcca 420
tctataatgg aggataccaa catttcttcc taatattcta taatctccaa ctcctgaaaa 480
acccctctct caactaatac tttgctgttg aaatgttgng aaatgttaag tgtct 535

<210> 135
<211> 114
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(114)
<223> n = A,T,C or G

<400> 135
gtcgacctca gcgtcattca gaannnggaa aagaatcaat gtaactcaag aaaggatgaa 60
aataccctttt cttcccatcc acgtgtttcc atctcaatcc tcacagggtc ctgg 114

<210> 136
<211> 354
<212> DNA
<213> Homo sapien

<400> 136
agaagcgaga tgacgaaggg aacgtcatcg tttggaaagc gtcgcaataa gacgcacacg 60
ttgtgccgcc gctgtggctc taaggcctac caccttcaga agtcgacctg tggcaaatgt 120
ggctaccctg ccaagcgcaa gagaaagtat aactggagtg ccaaggctaa aagacgaaat 180
accaccggaa ctggtcgaat gaggcaccta aaaattgtat accgcagatt caggcatgga 240
ttccgtgaag gaacaacacc taaacccaag agggcagctg ttgcagcatc cagttcatct 300
taagaatgtc aacgattagt catgcaataa atgttctggt tttaaaaaat aaaa 354

<210> 137
<211> 347
<212> DNA

<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(347)
<223> n = A,T,C or G

<400> 137
gtcgacggcg agattacgag gcgaggctcg cgcgcccgcc cccgccctgg cccccagtgc 60
ccacccggtc ggcccggcac agccatgatc aaggcgatcc taatcttcaa caaccacggg 120
aagccgcggc tctccaagtt ctaccagccc tacagtgaag atacacaaca gcaaatcatc 180
agggagactt tccatttggt atctaagaga gatgaaaatg tttgtaattt cctagaagga 240
ggattattaa ttggaggatc tgacaacaaa ctgatttata gacattatgc aacgttatat 300
tttgtcttct gtgnnggatt cttnanaaag tgaacttggc attttag 347

<210> 138
<211> 434
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(434)
<223> n = A,T,C or G

<400> 138
ccttttttttt ttttttggt taaatgactt actgtgtaat tttatttcat attacacaaa 60
tgttaatcaa atgctgagta gacatgcaga tgacaagcag tatatgacaa actctgaana 120
aatagttaca tgtagagttt ctcanatttt tagtgtatct aanaattaac tgaagagttt 180
gttaagaatg caggcttaaa ggccaatcca cagattataa tttcatacaa acaggatgga 240
gcctaanaac ctgtaaatta ttaaacaact gattaaaaat agagaggttt ctatgaagtt 300
aggnntgtcc ttatttctta tttgaactgg acaagtagaa ggataatagg taggaccaag 360
tgagcattat cagaatcaaa gtagaggcaa taacaagcca aggtgtttta ncctanctaa 420
agaagctcgt cgac 434

<210> 139
<211> 553
<212> DNA
<213> Homo sapien

<400> 139
gtcgacctga ctataacagt gcctactatg ttaacattag atgaacaagt gaattagagg 60
atttttaaat gtgtatccat cagtgtatgg acacactccc tctaacttct tcaaaaaaca 120
aaaattcctg gtagagctaa gtggttttta gaagtttggt tttggtaact gatttctacg 180
agataattga acacttttta aaatagttga tcattatgtc aaacagccct caacagtaaa 240
cttaaattag gtagaattat agtaagctgg aagagaaaat gttcccaaag agcattagtc 300
cctttctggc accttattac agatgaataa attgagactc acagaaatta aatgacttag 360
ccccagttat ccaactaact ccttaatgtg aggccatgat taggaatagg cttctagtat 420
tcagtcccat attattttga ctgtgtaata ccacgtgcca ctttgatttt aaagtcaaat 480
ctcggcttga actgtatggg gaaaaaaaaa atctccagct ggctctgctg aatccccaga 540
ggggccctcc act 553

<210> 140
<211> 450

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

<400> 140
gtcgacgccg gtgagttggg tgccggtgga gtcgtgttgg tcctcagaat ccccgcgtag 60
ccgctgcctc ctcctaccct cgccatgttt cttacccggt ctgagtacga caggggcgtg 120
aatacttttt ctcccgaagg aagattattt caagtggaat atgccattga ggctatcaag 180
cttggttcta cagccattgg gatccagaca tcagagggtg tgtgcctagc tgtggagaag 240
agaattactt ccccactgat ggagcccagc agcattgaga aaattgtaga gattgatgct 300
cacataggtt gtgccatgag tgggctaatt gctgatgcta agactttaat tgataaagcc 360
agagtggaga cacagaacca ctggttcacc tacaatgaga caatgaacag nggagagtgt 420
gacccaagct gngtccaatc tgnctttgca 450

<210> 141
<211> 140
<212> DNA
<213> Homo sapien

<400> 141
acacacccct ccctcacaca gggctcgacc gccgctggca gttccagggc taaggatttc 60
ctgcacttac ttgtggagaa ggagttcata gctgggctcc tggaggggag atagagcttc 120
tctttcgttc ccgggtcgac 140

<210> 142
<211> 591
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(591)
<223> n = A,T,C or G

<400> 142
gtcgacctgg acttgcagtg taaacagaga cgctgcaaat tgcttgtgga cggtgtaggc 60
cgctgcaggc caccatgaac cggcttccgg atgactacga cccctacgcg gttgaagagc 120
ctagcgacga ggagccggct ttgagcagct ctgaggatga agtggatgtg cttttacatg 180
gaactcctga ccaaaaacga aaactcatca gagaatgtct taccggagaa agtgaatcat 240
ctagtgaaga tgaatttgaa aaggagatgg aagctgaatt aaattctacc atgaaaacaa 300
tggaggacaa gttatcctct ctgggaactg gatcttcctc aggaaatgga aaagttgcaa 360
cagctccgac aaggtactac gatgatatat attttgattc tgattccgag gatgaagaca 420
gagcagtaca ggtgaccaag aaaaaaaaga agaaacaaca caagattcca acaaatgacg 480
aattactgta tgatcctgaa aaagataaca gagatcaggc ctgggttgat gcacagngaa 540
aggggttacc atggtttggg ancacaggag atcacgtcaa caacagcctg t 591

<210> 143
<211> 538
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(538)
<223> n = A,T,C or G

<400> 143
gtcgacaaat aagaagacac cttcagcatc ttaaactaga ataaataaaa gaagggtggc 60
ctcctagaat ttaagtcagg agggaggtgg tgggcaatgg atgacaagct ctactttgaa 120
gaggttgaat ttcagctgac cactactaaa gcagtacaag ctttttcttt cagcaagtgt 180
cttcccagaa atgtgatagc aatttttagg aagaatttgg caaacataat gtttagcaga 240
tttgcaacaa atgctataag ctcaaatttt ttttttttt tttttnggca gcacactcag 300
ccctccaagg ggaagtggat tatttttctt gcaagtgcat tancanggga ggtattaagg 360
acagcaacat tccttcctgt ataaaaaaat aaataaataa aagaagaaag gattattgag 420
gccctctctg ctgnatgtaa tgtacttcan gatgttggta naaaagatat caacctanaa 480
taagnttcac aanaatacat ttggtttcac ngaaagttta aagtcaatct ggacattc 538

<210> 144
<211> 401
<212> DNA
<213> Homo sapien

<400> 144
gtcgacctgt tccctttttg ggcctgtctc cccatgtata tgttgagggg ttggacttca 60
gggcctgtga gaggccttcc aacttagact ttctccccag gagcataaat tcagtgaatc 120
tacgtgactc tcagtgatgg catcattgcc taatatccac ccagcttctg cttgaaaact 180
tccagagact ggttcacatg ggggtataaa agcccaggcc ccttgcccca acttgggaca 240
actatgaaga gtttccagct ccacagctcc ctgaggggct ggccgaggcc tttgtggggt 300
ttgcctcaca acccaattta tccctctggc caattctgct tcaatcactc cctgccaggt 360
gttgaccttg aatgtactcc cccaataaac ctcctgcaag c 401

<210> 145
<211> 367
<212> DNA
<213> Homo sapien

<400> 145
ccttttttttt ttttttttag ttagaaatta caagtttatt tttatatttt gaaaaaggca 60
taatagaaaa caaaaataaa caaccaggca tatcaatatt tgtgacatac acatacacac 120
aaaaatgaat ataggaaata acacgaagaa aaagcatagt atgttttgaa accaacgtgg 180
ggcatgaaca gatttttgat gaaatacaac taaaggtttt aagtgtctat gtaatgttcg 240
agatattacg atcactctta tcctactagc aaaaattagc aaactaggct ttaaaacatg 300
attcctgttg ttttagcagg atttatttttg gtaatgatcc tgcttcctta taaacaacta 360
cgtcgac 367

<210> 146
<211> 395
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(395)
<223> n = A,T,C or G

<400> 146
gtcgacaaga aagccccctt aatgttttta actgatgata ttttttttaag cttaccaata 60
taagtatttt taaaggttct atttttcaaa gtcataacaa tgattgttct tgttttctct 120
catagaatag actgccatcg gataaagagt ggtccctagc ttctattttt ccaagtaaat 180
aagtagaaca tgttcttggg attataccat taaatgttaa ttttcttgaa gaagaaagat 240
tgttgtctgc caagatttta tgttagcgct cggattgagg cagaaaacgg aagcaccagg 300
tttaacactg ggatgacttg ggttgtgttc ctggaggttt gaagngggcc ttccccgcct 360
tttgaggggg aaaactgact gntttgaaca catat 395

<210> 147
<211> 455
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(455)
<223> n = A,T,C or G

<400> 147
gtcgactaaa aactggaacg gtgaaggtga cagcagtcgg ttggagcgag catcccccaa 60
agttcacaat gtggccgagg actttgattg cacattgttg tttttttaat agtcattcca 120
aatatgagat gcgttgttac aggaagtccc ttgccatcct aaaagccacc ccacttctct 180
ctaaggagaa tggcccagtc ctctcccaag tccacacagg ggaggtgata gcattgcttt 240
cgtgtaaatt atgtaatgca aaattttttt aatcttcgcc ttaatacttt tttattttgt 300
tttattttga atgatgagcc ttcgtgcccc cccttccccc ttttttgtcc cccaacttga 360
gatgtatgaa ggcttttggt ctccctggga gtgggtggan gcagccaggg cttacctgta 420
cactggactt gagaccagtt gaaataaaag tgcac 455

<210> 148
<211> 518
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(518)
<223> n = A,T,C or G

<400> 148
gtcgacctca cgccttcgcc gtagcatctt tcgcagcgga ccgaagagaa gaaaagtagg 60
ccagagccga actctcttcc tgccaagatg tctattggtg tgccgattaa agtactgcat 120
gaggccgagg gccacattgt gacatgtgag acgaacaccg gtgaggtata tcgggggaag 180
ctcattgaag cagaggacaa catgaactgc cagatgtcca acatcacagt cacatacaga 240
gatggccgag tggcacagct ggagcaggta tacatccgtg gcagcaaaat ccgctttctg 300
attttgcctg acatgctgaa gaacgcaccc atgttaaaga gcatgaaaaa taaaaaccaa 360
ggctcagggg ctggccgagg aaaagctgct attctcaagg cccaagtggc cgcaagagga 420
agaggacgtg gaatgggacg tggaaacatc tttcaaaagc gaagggataa ttttctaagt 480
tgaacagaac tttgtccttt tttctttcan gttatctg 518

<210> 149
<211> 442
<212> DNA

<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G

<400> 149
ccttttttttt ttttttttct tttcataaaa tttttacttt atgaattaaa tacattgaga 60
aacagngaaa atatatttac agtcatttga agngggcact actaacatat ttaatttaaa 120
aaaatctttg ctgtttcttt gcctgtttct ttcaaagaga attttaaata tgactttagc 180
ttttaaaaaa tacaatangg aaataattac attcttaata tgaaaacatt ttacaacgta 240
tcaccatggt caattaattc tgaatatcac ttaaaagttg atgttaaaat gtaaagngaa 300
tatttccttt cttgttanaa aatcaaaaag attatctcat taaaaacacc ttnggnccta 360
agacttatga tctgaanatg nccttttgaa aagnatcttc catggctaca actaaaaaan 420
acccggtaac acttgtgcac gg 442

<210> 150
<211> 341
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(341)
<223> n = A,T,C or G

<400> 150
gtnnacctat tattacccca tgatacagtt tagaaaacaa attcatgcac taagtaaatg 60
gaccaaatcg taagtcactg ccttttgctc cagagttggc tgctttgatt actcctacac 120
ttaactagtc aactttaaag aaaaaaattt ttttttctgt gaaggaaatt aagtgcctat 180
tttcanagag ctaaaagcaa tcaaggcatc tactgtgtta ttttcctatc catgtngact 240
catgtttaag gttgactagg aagacataat cattggctgc taataacaaa tngatttctt 300
ttnataaaaa atttaaaaga gtntntaatg ctttatttta t 341

<210> 151
<211> 459
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(459)
<223> n = A,T,C or G

<400> 151
gtcgaccagg tcttgaccct ggtcaacaag agaataggcc tttaccgtca ctttgacgag 60
accgtcaata ggtacaagca atcccgggac atctccaccc tcaacagtgg caagaagagc 120
ctggagactg aacacaaggc cttgaccagt gagattgcac tgctgcagtc caggctgaag 180
acagagggct ctgatctgtg cgacagagtg agcgaaatgc agaagctgga tgcacaggtc 240
aaggagctgg tgctgaagtc ggcggtggag gctgagcgcc tggtggctgg caagctcaag 300
aaagacacgt acattgagaa tgagaagctc atctcaggaa agcgccagga gctggtcacc 360
aagatcgacc acatcctgga tgccctgtag cccctgcccg catcctncag ggggcccagg 420
gtgcctgcac tttgctgtgg gnangcagat tgggtggta 459

<210> 152
<211> 242
<212> DNA
<213> Homo sapien

<400> 152
gtcgacccaa ggtcacagga gcattgcgtc gctgatgggg ttgaagtttg gtttggttct 60
tgtttcagcc caatatgtag agaacatttg aaacagtctg cacctttgat acggtattgc 120
atttccaaag ccaccaatcc attttgtgga ttttatgtgt ctgtggctta ataatcatag 180
taacaacaat aataccttt tctccatttt gcttgcagga aacatacctt aagttttttt 240
tg 242

<210> 153
<211> 57
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(57)
<223> n = A,T,C or G

<400> 153
ccttttttttt ttttttttttt ttccacatca ctcaggtttt atngaattta taaaatt 57

<210> 154
<211> 437
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(437)
<223> n = A,T,C or G

<400> 154
ccttttttttt ttttttttggt aatncagttt taatttattt tcatcacttt ttcttcataa 60
tccagatatt ttaaaatgca aagaaaatta actttcaatg atatgttcag ggactggcac 120
taaaaaaaat tttcagactg caaatgagtt atacaaatga aaatatcaaa tggagatcca 180
gttatcaaaa tgaaagcact caacatatta aaagttcaca agtatttgta ttgagcacat 240
tacaaaagtc agcttgctaa ctgttgtgat tttaaagaac tattgcanaa gtctgaanaa 300
aatanattta ttagttaact tataaagaga ttaaagaggc tgaaacaagt nttaaaaana 360
aatttgngcc tttattanaa tgttaggcgt cnacgcggcc gctcnngtct anagggcccg 420
tttaaacccg ctgatca 437

<210> 155
<211> 518
<212> DNA
<213> Homo sapien

<400> 155
gtcgacgtga gccacagtca cgccactgca ttctatcctg ggcaacagat ggagaccttg 60
tctcaaaaaa aaaaaattcc tgacatcgct atgtattccc aactttatca tttgtctgcc 120

tgtttagttt tgacttatgt ttttttttt tccccctgt ggacatgtag ttgacggaaa 180
tcgtgaagga actttaatat tttatttaaa tttcccaaaa ctaatcatgc cttatgtgac 240
taatcttcag tgataatatt tcatctactg atatattttc ttgaggtgtg taattttcag 300
tataccttaa tcatttggta taaaaaagag agaggttttt gatatatgaa tgctgttctt 360
gtaaaaatca atcttgacac tttattttaa actttttatt ggtaatgaca gtgggttttg 420
tacatcatga ttttcaattt aggatatctg tctaatttgt tttttcagag taactatatt 480
ggaattcaat aaaaatattc aaaatttttc ttaaaaaa 518

<210> 156
<211> 600
<212> DNA
<213> Homo sapien

<400> 156
gtcgacgttt atttaagttc atgtttcact gtttgcactt tgcattgaac aatgggttta 60
ttcgctgatg taaacggttc gagtgaagaa ttaatgcagt aagtatgaca acacatacac 120
acttgcctct ccccatctcc agaagagggg agcagagtcc gagcttatct aaatatgaat 180
gtggccacaa agctgtggaa ggtgacaaag cttaaacacc tttgccctgg ctctgcattg 240
tcacctagag agcaagaggt ctatagaaac atcatgtcac atgaaacgat tctctgcttt 300
ttggttctga acttgaagtc cctaaactgc aaaatctaag agttgggtgg ttattaaaat 360
gcttttaaaa agttaactgt ggcaccaatt ctaatgtaat ccaacttgtg actgtttttt 420
tttgttttgt tttgtttttg tgtgtgtgtg tgtgtggcac tgggaaaagt ggaaacaaac 480
atgtattgaa atacatattg gaaataaaaa tggtttgagc gtcagtgata ttctcccaga 540
atgtacttat cttacctcgc atgtactgta gtcactcagt atttgtatat gttgctagaa 600

<210> 157
<211> 542
<212> DNA
<213> Homo sapien

<400> 157
gtcgacggct gggaagtcag ttcgttctct cctctcctct cttcttgttt gaacatggtg 60
cggactaaag cagacagtgt tccaggcact tacagaaaag tggtggctgc tcgagccccc 120
agaaaggtgc ttggttcttc cacctctgcc actaattcga catcagtttc atcgaggaaa 180
gctgaaaata aatatgcagg agggaacccc gtttgcgtgc gcccaactcc caagtggcaa 240
aaaggaattg gagaattctt taggttgtcc cctaaagatt ctgaaaaaga gaatcagatt 300
cctgaagagg caggaagcag tggcttagga aaagcaaaga gaaaagcatg tcctttgcaa 360
cctgatcaca caaatgatga aaaagaatag aactttctca ttcatctttg aataacgtct 420
ccttgtttac cctggtattc tagaatgtaa atttacataa atgtgtttgt tccaattagc 480
tttgttgaac aggcatttaa ttaaaaaatt taggtttaaa tttagatgtt caaaagtagt 540
tg 542

<210> 158
<211> 526
<212> DNA
<213> Homo sapien

<400> 158
cacctcaggc tgtggctctt tgggcttctt cctaatgcag aagaagttgc ccagcagcaa 60
aatcagggag gaggtgagca cctcggcccc cgccaggatg aacacgtaca tgtagacgtg 120
ggtcgcatcc aggagtttgc ctcccgaagg gggcccgacg agcacggcca ccgcctccat 180
cagcagcacc aggccaatgg cactggagaa cttgtaggag atgccaaaga agatgcagaa 240
gaccacgagg ccgccgtagt cgcccgccgt agagcccgcc aggtccgcga ggccgttgaa 300
gaacatggag aagctgaaga ggtagacgga gtagggccgc accttcccaa gccccgccac 360

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gaagcccgcg gccggccgcg cgaagatgtc aatgaagccc aggatggtga gcaggaaggc     420
ggccttggtg tcgggcacgc ccaggtcctt ggcgtagctc accacgaaca cgggcgggac     480
gaagagcccc agcaccatga ccgaggcggc cacggcgtaa agcaca                    526

<210> 159
<211> 306
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(306)
<223> n = A,T,C or G

<400> 159
cctttttttt tttttttttt ttttttngga tgtatnngaa atttttteta tatanatcat      60
gtgtgacttc cataaagaaa aataaacacc tatncacagt ttacctaata tgtgtaatgt     120
taatgaaaag aatcaaagaa agatgttcgt tcattaactc tctaaatnaa attgtttttc     180
catttttacc aacttgatac cttaatcaag ncactcttgt tcttccttaa gtgcaaatga     240
atttttgtt  tgggttgggg gacaacacaa aatacaaacc tgggttggat tcactgaaag     300
gcccaa                                                                306

<210> 160
<211> 528
<212> DNA
<213> Homo sapien

<400> 160
ctgaagagcg gcttgctctt cacatcctca ggactcaggg gctggtccct gagcacgtgg      60
aaacaaggac tttgcacagc accttccagc ccaacatttc ccagggaaaa cttcagatgt     120
gggtggatgt tttccccaag agtttggggc caccaggccc tcctttcaac atcacacccc     180
ggaaagccaa gaaatactac ctgcgtgtga tcatctggaa caccaaggac gttatcttgg     240
acgagaaaag catcacagga gaggaaatga gtgacatcta cgtcaaaggc tggattcctg     300
gcaatgaaga aaacaaacag aaaacagatg tccattacag atctttggat ggtgaaggga     360
attttaactg gcgatttgtt ttcccgtttg actaccttcc agccgaacaa ctctgtatcg     420
ttgcgaaaaa agagcatttc tggagtattg accaaacgga atttcgaatc ccacccaggc     480
tgatcattca gatatgggac aatgacaagt ttctctggga tgactact                  528

<210> 161
<211> 527
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(527)
<223> n = A,T,C or G

<400> 161
cctttttttt ttttttttgg tcttacaact ctattgtaaa ctatactaga ctatagaggg      60
acttctacat ctttcaagat gtgtttaata aaggtctgtt tataataact tttgaggcat     120
gaatctagca aatagtactt tatacaatgt cccttgtcat taccaactca taaatattaa     180
gtgtttttca gtgacttatg tttggatgtg gtagtgctga tcagggccat gtgctgatgt     240
cctggagagc aaaatcaatc caaagnggng ctgctatttg tgacagaaca tgtttattta     300
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ctcagccccg gagacaaaag gaaaattgat atgggggagc gggaaatagg agaactatta 360
aatgtagtga agaaatttca caggtctaaa ggaactatta aaaggaagga taaagtagat 420
tctatactat aaaacagaat cctacctctg ataaaagaca aatcagcctg aatttttgaa 480
taatcaatag gattcaaaat gactattttc aattgcaatc tcattct 527

<210> 162
<211> 77
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(77)
<223> n = A,T,C or G

<400> 162
cctttttttt tttttttttt ttnntttttt tttttttttt ttttagggaa anaaatctgg 60
gttcctttta tttttga 77

<210> 163
<211> 645
<212> DNA
<213> Homo sapien

<400> 163
gtcgacaaac aatgaatagt ttttcattgt accatgaaat atccagaaca tacttatatg 60
taaagtatta tttatttgaa tctacaaaaa acaacaaata atttttaaat ataaggattt 120
tcctagatat tgcacgggag aatatacaaa tagcaaaatt gaggccaagg gccaagagaa 180
tatccgaact ttaatttcag gaattgaatg ggtttgctag aatgtgatat ttgaagcatc 240
acataaaaat gatgggacaa taaattttgc cataaagtca aatttagctg gaaatcctgg 300
atttttttct gttaaatctg gcaaccctag tctgctagcc aggatccaca agtccttgtt 360
ccactgtgcc ttggtttctc ctttatttct aagtggaaaa agtattagcc accatcttac 420
ctcacagtga tgttgtgagg acatgtggaa gcactttaag tttttttcatc ataacataaa 480
ttattttcaa gtgtaactta ttaacctatt tattatttat gtatttattt aagcatcaaa 540
tatttgtgca agaatttgga aaaatagaag atgaatcatt gattgaatag ttataaagat 600
gttatagtaa atttatttta ttttagatat taaatgatgt tttat 645

<210> 164
<211> 434
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(434)
<223> n = A,T,C or G

<400> 164
gtcgaccgga cgcggcggca ttaaacggtt gcaggcgtag cagagtggtc gttgtctttc 60
taggtctcag ccggtcgtcg cgacgttcgc ccgctcgctc tgaggctcct gaagccgaaa 120
ccagctagac tttcctcctt cccgcctgcc tgtagcggcg ttgttgccac tccgccacca 180
tgttcgaggc gcgcctggtc cagggctcca tcctcaagaa ggtgttggag gcactcaagg 240
acctcatcaa cgaggcctgc tgggatatta gctccagcgg tgtaaacctg cagagcatgg 300
actcgtccca cgtctctttg gtgcagctca ccctgcggtc tgagggcttn gacacctacc 360

gctgcgaccg caacctggcc atgggcgtga acctcaccag tatgtncaaa atactaaaat 420
gcgccngcaa tgaa 434

<210> 165
<211> 388
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(388)
<223> n = A,T,C or G

<400> 165
gtcgaccatt catatatata tgcatatata tgtgaagctc catatttctg ttgctttaaa 60
gaagtaaaac cttccattta aataagatga catgcntaan ataacaaagc ttccttgatt 120
tccttttcct gtgtaattna atagatttgt tgactagtgc ttgggcacat tataaatcag 180
ngttatttgc tcttggagcc atttttttaaa aaaaattttg gcagtgagca gttgaattta 240
tcttgaattt atcatgtgtg tgtatttctg aagcagctac atagcagaac attttaagag 300
attctgttag cccacatgtt catgttggtt gctgctgaat ggtaaatatt aaataaaatt 360
accagattaa tcttaaaaaa aaaaaaaa 388

<210> 166
<211> 443
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 166
gtcgaccttg ctttcttaaa aaacaaaaaa actactgtca gtattaatac tgagccagac 60
tggcatctac agatttcaga tctatcattt tattgattct taagcttgta ttaaaaacta 120
ggcaatatca tcatggatac ataggagaag acacatttac aatcattcat tgggcctttt 180
atctgtctat ccatccatca tcatttgaag gcctaatata tgccaagtac tcacatggta 240
tgcattgaga cataaaaaag actgtctata acctcaataa gtattaaaaa tcccattatt 300
acccataagg ntcatcttat ttcattttta gggaataaaa ttacatgtct atgaaatttc 360
aattttaagc actattgntt ttcatgacca taatttattt ttaaaaataa attaaaggtt 420
aattataaaa aaaaaaaaaa aag 443

<210> 167
<211> 608
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(608)
<223> n = A,T,C or G

<400> 167
gtcgactgcg cctctccgaa cgcaacatga aggtgctcct tgccgccgcc ctcatcgcgg 60

ggtccgtctt cttcctgctg ctgccgggac cttctgcggc cgatgagaag aagaaggggc 120
ccaaagtcac cgtcaaggtg tattttgacc tacgaattgg agatgaagat gtaggccggg 180
tgatctttgg tctcttcgga aagactgttc caaaaacagt ggataatttt gtggccttag 240
ctacaggaga gaaaggattt ggctacaaaa acagcaaatt ccatcgtgta atcaaggact 300
tcatgatcca gggcggagac ttcaccaggg gagatggcac aggaggaaag agcatctacg 360
gtgagcgctt ccccgatgag aacttcaaac tgaagcacta cgggcctggc tgggtgagca 420
tggccaacgc aggcaaagac accaacggct cccagttctt catcacgaca gtcaagacag 480
cctggctaga tggcaagcat gtggtgtttg gcaaagttct agagggcatg gangtggtgc 540
ggaangtgga gagcaccaag acagacagcc gggataaacc cntgaangat gtgatcatcg 600
cagactgc 608

<210> 168
<211> 569
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(569)
<223> n = A,T,C or G

<400> 168
gtcgacgcgg ncggccggac agactgacgt gtgagctgca tcgcgggagg cgcatggngg 60
ggatggcgct ggcgcgggcc tggaagcaga tgtcctggtt ctactaccag tacctgctgg 120
tcacggcgct ctacatgctg gagccctggg agcggacggt gttcaattcc atgctggttt 180
ccattgtggg gatggcacta tacacaggat acgtcttcat gccccagcac atcatggcga 240
tattgcacta ctttgaaatc gtacaatgac caagatgcga ccaggatcag aggttncttg 300
gggaagaccc accctacgaa gttggaatga gaccatcaga tgtgataaga aactcttcta 360
gatgtcaaca taaccaacct tataaagact aaaattcatg agtagaacag gaaaatcatc 420
ctgactcatg tgttgtgttc tttatttta attttncaaa gaggctcttg tatagcagtt 480
ttttgtctat tttaacattg taagtcattt tgtnctttga natcantatt ttcttaacct 540
ttgtgactgt ttcaatatta cccccgnga 569

<210> 169
<211> 216
<212> DNA
<213> Homo sapien

<400> 169
gtcgaccggg aacccatcta taaagtaagg cacactcgta atggttgaat tgtgttctgg 60
ttaatttcct aaaggacttc acagttgcac ttatgaaaat gattttatat tgaaatgata 120
tttgcataag aaaaagcatg tgattaattg catattgctt gagtgttcat ctgtgaatgt 180
gaaaaataag ctgtttttt ttattagata tttgca 216

<210> 170
<211> 284
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(284)
<223> n = A,T,C or G

<400> 170
ccttttttttt ttttttgaa atggancttc tgaatcgaaa agtttttcac tttaaatgtt 60
ggatgagtgc taccaaaaca ctnngcatct tagggcaagt gtcgctgagc acctgcttcc 120
ccatattctc agcannatca tttcagttct tagcaatctg gcaggcaaaa ggaaagtctg 180
attttgntng aattngcatt ttcctgatta ccancaaact antttaagct taatgggcac 240
ntnntatttc tattctctga actgcccatt tttctaccat tcag 284

<210> 171
<211> 541
<212> DNA
<213> Homo sapien

<400> 171
cagacagcac tgtgttggcg tacaggtctt tgcggatgtc cacgtcacac ttcatgatgg 60
agttgaaggt agtttcgtgg atgccacagg actccatgcc caggaaggaa ggctggaaga 120
gtgcctcagg gcagcggaac cgctcattgc caatggtgat gacctggccg tcaggcagct 180
cgtagctctt ctccagggag gagctggaag cagccgtggc catctcttgc tcgaagtcca 240
gggcgacgta gcacagcttc tccttaatgt cacgcacgat ttcccgctcg gccgtggtgg 300
tgaagctgta gccgcgctcg gtgaggatct tcatgaggta gtcagtcagg tcccggccag 360
ccaggtccag acgcaggatg gcatgggggа gggcataccc ctcgtagatg ggcacagtgt 420
gggtgacccc gtcaccggag tccatcacga tgccagtggt acggccagag gcgtacaggg 480
atagcacagc ctggatagca acgtacatgg ctggggtgtt gaaggtctca aacatgatct 540
g 541

<210> 172
<211> 573
<212> DNA
<213> Homo sapien

<400> 172
gtcgactttc aacaaatcct gaagtctttc tgtgaagtga ccagttctga actttgaaga 60
taaataattg ctgtaaattc cttttgattt tctttttcca ggttcatggt ccttggtaat 120
ttcattcatg gaaaaaaatc ttattataat aacaacaaag atttgtatat ttttgacttt 180
atatttcctg agctctcctg actttgtgaa aaagggtgga tgaaaatgca ttccgaatct 240
gtgagggccc aaaacagaat ttaggggtgg gtgaaagcac ttgtgcttta gctttttcat 300
attaaatata tattatattt aaacattcat ggcatagatg atgatttaca gacaatttaa 360
aagttcaagt ctgtactgtt acagtttgag aattgtagat aacatcatac ataagtcatt 420
tagtaacagc ctttgtgaaa tgaacttgtt tactattgga gataaccaca cttaataaag 480
aagagacagt gaaagtacca tcataattaa cctaaatttt tgttatagca gagtttcttg 540
tttaaaaaaa aataaaatca tctgaaaagc aaa 573

<210> 173
<211> 545
<212> DNA
<213> Homo sapien

<400> 173
gtcgacctgg gctggacgtg gttttgtctg ctgcgcccgc tcttcgcgct ctcgtttcat 60
tttctgcagc gcgccagcag gatggcccac aagcagatct actactcgga caagtacttc 120
gacgaacact acgagtaccg gcatgttatg ttacccagag aactttccaa acaagtacct 180
aaaactcatc tgatgtctga agaggagtgg aggagacttg gtgtccaaca gagtctaggc 240
tgggttcatt acatgattca tgagccagaa ccacatattc ttctctttag acgacctctt 300
ccaaaagatc aacaaaaatg aagtttatct ggggatcgtc aaatcttttt caaatttaat 360
gtatatgtgt atataaggta gtattcagtg aatacttgag aaatgtacaa atctttcatc 420

catacctgtg catgagctgt attcttcaca gcaacagagc tcagttaaat gcaactgcaa 480
gtaggttact gtaagatgtt taagataaaa gttcttccag tcagtttttc tcttaagtgc 540
ctgtt 545

<210> 174
<211> 469
<212> DNA
<213> Homo sapien

<400> 174
gtcgacaaag aatcacagct ttctctccat gttttattaa cacacagaaa aatactttga 60
aaaatatacc atttctcaaa aatgaaatgt atgatttgct acaaatggcc atatggaaaa 120
tatgatacct gcttattttt gactcagggt gcattcaatt tttatactaa ctgaaaatta 180
catgattgcg ttttgtttta aaagtgaaaa aaagtaataa ctgcttttag ccttgtaata 240
ttgaatgcgt caattggctc cccttgtaga atgttgaatg gctatcactg gtgacagatg 300
ttctgtacat cgcagtaata ctgcttatat aattgtgata attttccgct tcttatttgt 360
catttttagt gatttaaaaa tcccttgatg actccctgaa aaatgactga tgtttttcct 420
atattaagta atttctgctg gtaaagtgta agtcttttaa taatttctt 469

<210> 175
<211> 108
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(108)
<223> n = A,T,C or G

<400> 175
ccttttttttt ttttttttng aaattnaagt aacttnatnn aaattcaaaa acaatnctta 60
aaactgnntt tagagtcaag acccttttgt attataaaaa tcacaagt 108

<210> 176
<211> 426
<212> DNA
<213> Homo sapien

<400> 176
gtcgactgtt tagaagttat acacagagag aaggggaaaa gaaactccat caatcaagct 60
aaaggcagca aaggaaaatt tgaaaagaag caacgagact gtttaacaaa gaacatcaaa 120
taagatgatg gaactagaag aaaaacacca atgtccttaa ttatataaaa acatcaatgt 180
ccttaattat ataaattttt aaccctcaat tgggttaaaa aatcagattt gtactaagag 240
atgtatcttt aaaagcaaaa gaaagaataa aaagatcaac aagtaaaaca aagtaggagt 300
cagaattaat attagacaaa ataaaggtga aaaatactaa atgcaagaaa taatatttta 360
gatgacaaaa atgtatgagc cataaaaaag tcatgagttt ttataaacct aaaatatagc 420
gtcgac 426

<210> 177
<211> 538
<212> DNA
<213> Homo sapien

<220>

<221> misc_feature
<222> (1)...(538)
<223> n = A,T,C or G

<400> 177
cctttttttt tttttttttt ttttttttgga ngnattngaa attttttcta tatanatcat 60
gtgtgacttc cataaagaaa aataaacacc tatacacagt ttacctaata tgtgtaatgt 120
taatgaaaag aatcaaagaa agatgttcgt tcattaactc tntaaatcaa attgtttttc 180
catttttacc aacttgatac cttaatcaag tcactcttgt tcttccttaa gtgcaaatga 240
atttttttgtt tgggttgggg gacaacacaa aatacaaacc tgggttggat tcactgaaag 300
gcccaanaaa gggccttant ctaggaagta nagngtgana tgatacaccc acaggctggn 360
gcattctggn ccacacaaan acgtgctgnt ccccgcccta ctgntnaaaa cagntctgtt 420
ttgctnanat gctgctgntg caacctgcag gtccatgana agaacaactc cctggttgtt 480
tacancccgn gagtgttttg ngaatttgca cctacatttc ccatgtgata tggactca 538

<210> 178
<211> 566
<212> DNA
<213> Homo sapien

<400> 178
gtcgacttgg aagcaggttt atttattata tacttgcaat tgaatataag atacagacat 60
atatatgtgt tatgtatttc tagaaatgca cataacatat atttgcctat tgtttaatgt 120
tttttccaga tatttattac agaagggcat ggagggatac ctacttattc ttcattatga 180
gaacaattaa aggcatttat tagataggaa attaacagat catctgcttc tataacttta 240
ttagctacat taaataggca gtgagcaata atttaaaaac tcaccattat ataaaataat 300
aaataacaaa gtaaaagtta atgttataaa aataaactga tagtaaggaa aatctaaatg 360
ggcatgatcc cattttagaa gaccaaatga ttaatagggt tgtcatgtta taatagacaa 420
ttgtctaatt atttctgtgt ttttatttag tgggtagcag aagttgttca gaagagcaga 480
aatatgtaga aaacatctct aaatttttgg caatttgaaa tagcaattct gaggcacaca 540
gctcatctac aaaaatcttt tgcaga 566

<210> 179
<211> 277
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(277)
<223> n = A,T,C or G

<400> 179
gncgacggga aaggaatatt atggcannaa gctgagcaag caattctggt ggaaagtcaa 60
acctgtcagt gctccacacc agggctgtgg tcctcccaga catgcatagg aatggccaca 120
ggtttacact gccttcccag caattataag cacaccagat tcagggagac tgaccaccaa 180
gggatagtgt aaaaggacat tttctcagtt gggtccatca gcagtttttc ttcctgcatt 240
tattgnngaa aactatngtt tcatttcttc ttttata 277

<210> 180
<211> 349
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(349)
<223> n = A,T,C or G

<400> 180
ccttttttttt ttttttttttt ttttttttttt ttttttttttt ttagnataag gaaaagctac 60
aaacctcaag gntgttttat ttaaaccaaa taatntgagc aagacatatn tacattaaaa 120
acaaatgaac acattaaaat ttcactattt tacaatctaa attctagcaa catatacaaa 180
tactgagnga ctacagtaca tgccgnggta ananaagtac attntgggan aatatnactg 240
acnctcaaac cattttatt tccaatatgt atttcaatac atgtttgttt ccacttttcc 300
cagngccaca cacacncnca cacaaaaaca aaacaaaaca aaaaaaaac 349

<210> 181
<211> 435
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

<400> 181
ccttttttttt ttttttttga catttacagg tatttatttg agtaagagct cataaaatat 60
atttttataa tatgcacaag aaaaaataca tttgaatgaa taaaaaataa aatgacagga 120
ggtgacagaa tttagtgttt ataaatgagg tcataaagaa ctttaataat tcanagaana 180
agttcaaagt gtatttaaaa gttgagaccc tgctttacaa tattttataa ttttaaaaaa 240
aggcgtttaa aggtgatagg tgacttaata attttccact ttcaaaatgg gtttctagac 300
actgttatga agctgctatg tactaataat actttgcttg ccaaagtgtt tgggttttgt 360
tgttgtttgt ttgtttgttt gtttttggtt catgaacaac agtgtctaga aacccacttt 420
caaaatgggg tcgac 435

<210> 182
<211> 328
<212> DNA
<213> Homo sapien

<400> 182
gtcgaccatt gtatcttttt cttttctatc cctttacatt tactctttca gaatccttat 60
gttttactgt tttcagaaaa cttagttttt aaaatattct gctaatcatt tttcatataa 120
gtttacatta aataagtctt ttaaagttta ttataattaa ataaagttta ttttcacatg 180
tgttttcata tctactgtct cagaactttc tccttgccct atttttccta ttttatcccc 240
tttttgcatc ttttgagttg actttttatg attttatttt tctctcttta ctagtttgga 300
tattatctac cccactaata ttctttca 328

<210> 183
<211> 491
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(491)

<223> n = A,T,C or G

<400> 183
ccttttttttt ttttttttttt ttttttttttt ttacaaacct caaggttgtt ttatttaaac 60
caaataatct gagcaagaca tatatacatt aaaaacaaat gaacacatta aaatttcact 120
attttacaat ctaaattcta gcaacatata caaatactga gtgactacag tacatgccga 180
ggtaagataa gtacattctg gganaatatc actgacgctc aaaccatttt tatttccaat 240
atgtatttca atacatgttt gtttccactt ttcccagngc cacacacaca cacacaaaaa 300
caaaacaaaa caaaaaaaaa cagtcacaag ttggattaca ttanaattgg ngccacagtt 360
gactttaaaa gcattttaat aaccacccaa ctcttanatt ttgcagttta gggacttcaa 420
gttcanaacc aaaaagcana gaatcgtttc atgtgacatg atgtttctat agacctcttg 480
ctctctaggt c 491

<210> 184
<211> 478
<212> DNA
<213> Homo sapien

<400> 184
gtcgacggct gctgttggtt gggggccgtc ccgctcctaa ggcaggaaga tggtggccgc 60
aaagaagacg aaaaagtcgc tggagtcgat caactctagg ctccaactcg ttatgaaaag 120
tgggaagtac gtcctggggt acaagcagac tctgaagatg atcagacaag gcaaagcgaa 180
attggtcatt ctcgctaaca actgcccagc tttgaggaaa tctgaaatag agtactatgc 240
tatgttggct aaaactggtg tccatcacta cagtggcaat aatattgaac tgggcacagc 300
atgcggaaaa tactacagag tgtgcacact ggctatcatt gatccaggtg actctgacat 360
cattagaagc atgccagaac agactggtga aaagtaaacc ttttcaccta caaaatttca 420
cctgcaaacc ttaaacctgc aaaattttcc tttaataaaa tttgcttgtt ttaaaaaa 478

<210> 185
<211> 596
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(596)
<223> n = A,T,C or G

<400> 185
gtcgacggac gaggagtgcg gcactgatga gtactgcgct agtcccaccc gcggagggga 60
cgcgggcgtg caaatctgtc tcgcctgcag gaagcgccga aaacgctgca tgcgtcacgc 120
tatgtgctgc cccgggaatt actgcaaaaa tggaatatgt gtgtcttctg atcaaaatca 180
tttccgagga gaaattgagg aaaccatcac tgaaagcttt ggtaatgatc atagcacctt 240
ggatgggtat tccagaagaa ccaccttgtc ttcaaaaatg tatcacacca aaggacaaga 300
aggttctgtt tgtctccggt catcagactg tgcctcagga ttgtgttgtg ctagacactt 360
ctggtccaag atctgtaaac ctgtcctgaa agaaggtcaa gtgtgtacca agcataggag 420
aaaaggctct catggactag aaatattcca gcgttgttac tgtggagaag gtctgtcttg 480
ccggatacag aaagatcacc atcaagccag taattcttct aggcttcaca cttgncagag 540
acactaaacc agctatccaa atgcagtgaa ctccttttat ataat gatg ctatga 596

<210> 186
<211> 314
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(314)
<223> n = A,T,C or G

<400> 186
gtcgactgcc tatttaatgt agctaataaa gttatagaag cagatgatct gttaatttcc 60
tatctaataa atgcctttaa ttgttctcat aatgaagaat aagtaggtat ccctccatgc 120
ccttctgtaa taaatatctg gaaaaaacat taaacaatag gcaaatatat gttatgtgca 180
tttctagaaa tacataacac atatatatgt ctgtatctta tattcaattg caagtatata 240
ataaataaac ctgcttccaa acaacaaaaa aaaaaaaaaa aaaaaaaaan naaaaaaaaa 300
aaaaaaaaaa aaaa 314

<210> 187
<211> 331
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(331)
<223> n = A,T,C or G

<400> 187
cctttttttt ttttttttatt cctcagngct tttgatttta attcttttgg catatctaaa 60
tgtcagaaag tgaatatata catacagaat tcaaaacacc ttcctaaaat ggttattatt 120
ggccantcat tnacatcttt attttgaaag tctgaattgn caaatagttc taaagtgcat 180
tcttgcagct aataaatagc agcatttgtt tataaaacct taagaaattc agaccagggc 240
tgganaagtc acaataaaaa atcagacatg atctanatat agtcttcctt aatcatctaa 300
gacaaacact tgtgtgaatt agtttataag g 331

<210> 188
<211> 567
<212> DNA
<213> Homo sapien

<400> 188
gtcgacgctg aagaaggaaa agaaatgtgt gaaactcata ggagttcccg ctgacgctga 60
ggccttaagt gaaagaagtg gaaacacccc taactctccc aggttagctg ctgaatcaaa 120
gcttcaaaca gaagttaaag aaggaaaaga aacttcaagc aaattggaaa aagaaacttg 180
taagaaatta caccctattc tatatgtgtc ttctaaatct actccagaga cccagtgccc 240
tcaacagtaa agacttgtct ttaataagag tacggtgcca cttgcctcaa aagttactat 300
ggtgcttaag attgtcttga tctgacatat atcaccttct gggttattta ctcattgtgc 360
caggacctgg cattttcatg tgcctttgac caagtgttca gaatttgctt gactctaacc 420
tggagagctt cttaagtgat gccccttcat ggagcttcta tgacagtgaa taaactatta 480
attgaaggaa aatgttataa ttaatgtatc tatttgctgc attgtatatg gattaaatga 540
taaaaaacaa gtaatctacc ctcagag 567

<210> 189
<211> 130
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(130)
<223> n = A,T,C or G

<400> 189
cctttttttt tttttttttt tttttttttt tttttttttt tttttatcnc ctaagnanat 60
tttaatataa attttgaaca gttataaaaa anaaanangg cctttgggtc aataacanaa 120
cataacaaaa 130

<210> 190
<211> 426
<212> DNA
<213> Homo sapien

<400> 190
gtcgaccaac ttcccacata tatttactaa gatgattaag acttacattt tctgcacagg 60
tctgcaaaaa caaaaattat aaactagtcc atccaagaac caaagtttgt ataaacaggt 120
tgctataagc ttggtgaaat gaaaatggaa catttcaatc aaacatttcc tatataacaa 180
ttattatatt tacaatttgg tttctgcaat atttttctta tgtccaccct tttaaaaatt 240
attatttgaa gtaatttatt tacaggaaat gttaatgaga tgtattttct tatagagata 300
tttcttacag aaagctttgt agcagaatat atttgcagct attgactttg taatttagga 360
aaaatgtata ataagataaa atctattaaa tttttctcct ctaaaaactg aaaaaaaaaa 420
aaaaag 426

<210> 191
<211> 550
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(550)
<223> n = A,T,C or G

<400> 191
cctttttttt tttttttttt tttttttttt tttagttngg gatatgacct ttattgaact 60
tatccaccan agnggaaata atgtctgtac aaaaccaaat gtttgttact ataacttctg 120
catcacaatt aaaatccaaa cagtttttta aaaacagtca actcaatcaa aacccactac 180
ttcanaatca atagcttntt tgaagccaca gtaacactta aatatggtta anactcgaat 240
gcanaaattt ggttggttgg aaagctaatt aaacttccaa cttgctcaaa tagaattaca 300
aaaaggcaaa attgtgtttt tcacananat acagnccact ggaatcacca acactggaca 360
gctgttanag tatttanagt cctganataa caaggaatcc aggcntcctt taaacagtct 420
tctgttgncc tttcttccca atcananatt tgtggatgtg tggaatgaca ccnccaccag 480
caattgtagc cttgatgann gaatccaatt cttcatctcc acgaatagca agttgcaagt 540
gacgaggggt 550

<210> 192
<211> 299
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

<222> (1)...(299)
<223> n = A,T,C or G

<400> 192
ccttttttttt ttttttttgaa attnnaaatt ttattacaaa aacttttttat tgctataaga 60
aaaatatgta ttaattctac aaaataacat tcagattatg ttctaattca attattcaat 120
acaatttatt ctcttgtaaa taagagaaac ttatttagaa tataaaatta taacctaatg 180
acaaagctct agtaaattgn gaactacacc tctacaccgg gcttaaatgc atcctgatta 240
atgatttctt catacatgtc acttatttta tccaaaaaag gatttgagtt ctcgtcgac 299

<210> 193
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(536)
<223> n = A,T,C or G

<400> 193
ttttttttttt ttttttttat tctnncaatt tttatttctc ttacatgctc aaagaagcca 60
agcaaatcca ggtatacatg tatatgtttt aattttacag gagagagaaa gaggtataag 120
gcaagaatta actacatttt catttcacta tttctttatg agctctattt tgctgctaag 180
ttcaagtttc aaaaaaatta ttaattcctc tgctatgtta tcttgtccca attcacaaaa 240
taacagggat ttccccatgt gactcaaaag caagaatctt actcctaaat aacataaaca 300
gcaatatgtg tgactactgt cattcattaa cttcgatggt gaagttcatt aaactgacca 360
ttaaaagaac atttgaacaa ttccaaaagg gagcaaggat aaatctccaa atcacccaat 420
agacaaggaa cccagagatg acatacagng tgctcacttc cacccactgc cactgagaac 480
actgattgct ctcttcaaac acagagcgaa gaatgggcct catgtcacat ggggca 536

<210> 194
<211> 566
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(566)
<223> n = A,T,C or G

<400> 194
gtcgactgca ctattaccca gggcagatat tatgagaaac tgtttcttct ctaagggttt 60
atggcagact ttgctttttt aacatgtgag aaatgaattt tttattttgt gatttatgtg 120
atttcttttg ctgagtgaag gaaaggagaa attgttgcta ttgtcagcat cttaaaggta 180
tttccagtca aggcaaggct aagtgctttg tgatagtatt aagcaagtca tgttttgaat 240
ggattacctg tagtgactca ttggaatgat ataattatac aagtaatgcc aaaaaccaag 300
tcaaagccta attaaccaaa gcactcattt aaaaatcatc atgtttggac ctatctggac 360
ctctcagcac tgtaaaatag ttttggtttt gtggcatatg aatagctgtt taacaaatca 420
aagttagctn tttgcttctc agctttttttg ggcaatacaa gttaagttct taatggggag 480
acattatcat ggcatgactt aagggaacat tggtttgtga aggaaaaaca gattatctaa 540
agccatctct atgtttctgt tcagat 566

<210> 195
<211> 217
<212> DNA
<213> Homo sapien

<400> 195
gtcgacataa ataaatggaa gaaatatcat gttcatgggc ttcaaaagtc aacagtaaag 60
atgccatttt ttcctaaatt gatctacagg ttcagtgcaa ttccttccga atctcaccag 120
ggtttttggt agacataaac aagtttattc taaaatttgt atggaaaggc acaggtcctg 180
gaataactaa agcaacctta caaaaaaaaa aaaaaag 217

<210> 196
<211> 391
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

<400> 196
gtcgacggac agacttagga gttttgttta gagcagttaa catctgaagt gtctaatgca 60
ttaacttttg taaggtactg aatacttaat atgtgggaaa cccttttgcg tggtccttag 120
gcttacaatg tgcactgaat cgtttcatgt aagaatccaa agtggacacc attaacaggt 180
ctttgaaata tgcatgtact ttatattttc tatatttgta actttgcatg ttcttgtttt 240
gttatataaa aaaattgtaa atgtttaata tctgactgaa attaaacgag cgaagatgag 300
caccaaaaaa aaaaaaaaaa aaaaaaaaaa aaaannnaaa aaaaaaaann aaaaaaaaaa 360
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 391

<210> 197
<211> 445
<212> DNA
<213> Homo sapien

<400> 197
gtcgactgga tctttatgtc aatgtgtaca tagtacaagc ttttttactg gaattgaggt 60
ttaaaaccac acactgccct tttggtggtg tgcctgttgg gccaaaaatt gggtgataat 120
gtagtgtcac tttctcagct caatgcagtt tctacttttt cttatgggaa aatttttcat 180
aaaacctttt tgcaccaaaa cccaggggtg ttttttgcaa tatccttgtt atcctcgtag 240
tgtgccaagt cagaggcttt ctcttgccct tttcctgctg tgttctcagg cctcccaagg 300
gctgtttgac tcaacagtct acatccttcg ttgtgttttg gagaatgtgg gggtgggggt 360
cagagttcaa ggtgtctgtt ccccttttcct gtgaactctt tctagtccct atttggggag 420
ggtggctgga aacagatttt tgctg 445

<210> 198
<211> 463
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G

<400> 198
gtcgacgtca gtattaatac tgagccagac tggcatctac agatttcaga tctatcattt 60
tattgattct taagcttgta ttaaaaacta ggcaatatca tcatggatac ataggagaag 120
acacatttac aatcattcat tgggcctttt atctgtctat ccatccatca tcatttgaag 180
gcctaatata tgccaagtac tcacatggta tgcattgaga cataaaaaag actgtctata 240
acctcaataa gtattaaaaa tcccattatt acccataagg ttcatcttat ttcattttta 300
gggaataaaa ttacatgtct atgaaatttc aattttaagc actattgttt ttcatgacca 360
taatttattt ttaaaaataa attaaaggtt aattatatgc atgtatgtat ttctaataat 420
taaaaatgtg ttcaatccct ganaaaaaaa aaaaaaaaaa aaa 463

<210> 199
<211> 129
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(129)
<223> n = A,T,C or G

<400> 199
gtcgaccggc gggcagctgc agcttctgct gctgaggccg ggattgctac gactgggact 60
gaagactcag acgatgccct gctgaagatg accatcagcc ancaagagtt tggccgnact 120
gggcttcct 129

<210> 200
<211> 523
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(523)
<223> n = A,T,C or G

<400> 200
ccttttttttt ttttttttttt tttttnaaat ctttatttaa aagtccatgc taataatgng 60
tttacatttt tacagttaca ttatgataga aactgttgga ttttttaaat atctaaaaca 120
atggcccact gaanaaagga acaattaact ctttaattaa ttccttagga taaataccca 180
naaatttaac agctagggca gacttntaat acaataccga aagtccttcc aaaaaccaag 240
nggttgccaa cttatgtccc ttagcattat aacattcttg agccaatagt gtaaaaatac 300
gctgacaatt ttataggcaa acattactca aggtatctta ctttccactt attactaaag 360
taattaaccc ctaaacagat gctcctcaac agngggacta catcctggta aacctatcat 420
aagttgaaac tatcaagttg aaatgcattt agtaccctga taaacctatc ataaagttga 480
aaatttgtaa attgaaccag tgtaaatcag aggccatntt act 523

<210> 201
<211> 532
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

<222> (1)...(532)
<223> n = A,T,C or G

<400> 201
cctttttttt ttttttaca cttgagctta gccaaaaggc tgagaagcga ttttttttta 60
aaagctgttc tttaccatgg tttaaacgct aaaatgcata gctataaaaa caaaacactg 120
agctaatctg attacatcca gcttttgcac tcaatagccc ttgaccctcc agtcataagc 180
aagcctgtca ttcgcccagc cctgctatac attctcatta tagtttcgtt tcaaatccag 240
tgttacagaa acaaaacacc aagccctcaa tcatgctatg cgtatcttta tgtgtgcatg 300
tcttatgtat gtttaaaata aacattttta aatgttttag gccaggcttg gnggctcatt 360
cagttttagt ttgctttttt tttgccattc tttgttattt tgngaataag taaaacattt 420
aaatacttaa gtcacatctg tataaaaagt atattcatag gaaggaattt aacaatttta 480
ataaaactta ttagcatatc aatgagtttc aagatacacc tgaaactaaa tt 532

<210> 202
<211> 114
<212> DNA
<213> Homo sapien

<400> 202
ctccttggtg tggtcttctc tgagtgaatg tcacaaggcc ggtgacagga gggggtggag 60
gtgaggggac aaagtagagg ccgagggtca gtgcctttgg agaaagtcca gaga 114

<210> 203
<211> 304
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(304)
<223> n = A,T,C or G

<400> 203
gtcgaccttt ttttcccaac ttcttgcttt ctattggatt gttagggatt tctgtttttc 60
actttatttc tctctgctta tttgaaagct atacagcatg gttttctttc tttagggatc 120
actcttccac tttacttttt aaagatggat aaattttata catttaaaaa atttaatctg 180
tatttgtatc ttcttcctga gtggacctta gcatgttata aatgctcact gaataattct 240
cattgttaat tagagtttgg ttttattntt ttaaanncaa tgtacttact tattcttagn 300
gtaa 304

<210> 204
<211> 581
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(581)
<223> n = A,T,C or G

<400> 204
cngcgttgtg aggtgagcnn tttcagaagc gcgatcccag gacacgtcgg gaagcaagca 60

tccntttagc tgcttggaaa gaggaccaaa gacggctaaa anntcatttg gaaatatctc 120
taaatatttg ttaccatgta taagctgcta aagagaaatt gggcccaaca aaactaattg 180
aataattgag gcagatttgt gtgtatcatc aaattctatc cagaagttga agaatctgaa 240
tttaaagatt gtgtgcattt aataagagga tgacctttca gtttaatttc actatagaag 300
accatctgga aaatgaatta acacccatta gagatggagc tttgaccctg gattcctcaa 360
aagagctgtc agtctcagaa agtcaaaaag gagaagagag ggacagaaaa tgttctgcag 420
aacaatttga cttgcctcag gatcacttgt gggaacataa gtcaatggaa aatgcagctc 480
cctctcaaga cacagacagt ccactcagtg cagccagcag ttcaaggaac ttggagccac 540
atggaaaaca gccctccttg agagctgcca aagagcatgc t 581

<210> 205
<211> 409
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(409)
<223> n = A,T,C or G

<400> 205
gccctgaaga acagtgcctg gatgtggtga cccactggat ccaggaaggt gaagaagggc 60
gtccaaagga tgaccgccac ctccgtggct gtggctacct tcccggctgc ccgggctcca 120
atggtttcca caacaacgac accttccact tcctgaaatg ctgcaacacc accaaatgca 180
acgagggccc aatcctggag cttgaaaatc tgccgcagaa tggccgccag tgttacagct 240
gcaaggggaa cagcacccat ggatgctcct ctgaagagac tttcctcatt gactgccggg 300
gccccatgaa tcaatgtctg gtagccacgc gngcgacgtc acagagacnc ggaaaaacca 360
aagctatatn ggtaaagagg ctgtgcaacc cgctctcaat gtgccaaca 409

<210> 206
<211> 561
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(561)
<223> n = A,T,C or G

<400> 206
gtntcatggg aaaggacatg tctctcgaag aaaggttata aaccctgaga tatgagggtt 60
tttttgagac atccgagcct gtttcgttcc gggntgggan caggaataac cctgacttct 120
gagctttcat aaccccagga tcctccagaa aatttgcggc gcgctgaggg aaaaccttgc 180
tgaagctgta cattggaatg cgtttacagt cattgtaatg gaagcaaaat acatgaagga 240
aaaactgtta tttgtatccc tgcttattgc acctgacgac tagttgcaga tggttttgtt 300
tacctaagaa aacttgtgat ataaatgaaa aaaacacctg ttttcctaga gtcattggtt 360
acaaatatgc ttcgtctaag agctatttgt ccattctcct ggagagtgtt tcaatttcga 420
cccatcagtt gtgaaccact aattattcag atgaataagt gtacagatga ggagcaaatg 480
tttggtttta ttgaaagaaa caaagccata ctttcagaaa agcaagtggg atgtgcattt 540
gatatgcttt ggaagcttca a 561

<210> 207
<211> 461
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(461)
<223> n = A,T,C or G

<400> 207
ggtntttcca gccaatgtga cctttaaaac ctatgaaggt ntnatgcaca gttcgtgtca 60
acaggaaatg atggatgtca agcaattcat tgataaactc ctacctccaa ttgattgacg 120
tcactaagag gccttgtgta gaagtacacc agcatcattg tagtagagtg taaacctttt 180
cccatgccca gtcttcaaat ttctaatgtt ttgcagtgtt aaaatgtttt gcaaatacat 240
gccgataaca cagatcaaat aatatctcct catgagaaat ttatgatctt ttaagtttct 300
atacatgtat tcttataaga cgacccagga tctactatat tagaatagat gaagcaggta 360
gcttcttttt tctcaaatgt aattcagcaa aataatacag tactgccacc agatttttta 420
ttacatcatt tgaaaattag cagtatgctt aatgaaaatt t 461

<210> 208
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(296)
<223> n = A,T,C or G

<400> 208
gatgaacatc catccnaatt ncgaagagcc tatattatac cctcttcaag aatttgcatg 60
gcatcaatat ctacaggaga aaaaaaggga actcaaaaat gaaacctggg aatattcttc 120
ctctgtgatt tcttttgtta atggtcagtt tctgggtgat gcattggatc tgcagaaatg 180
ggcccacgag gtgtgggata tagttgacat taaaccctct gcactttatg acgcactcac 240
tgaggatttt tccgctaagt tcttaagaga caccaagcat gatttcgtgt ttttgg 296

<210> 209
<211> 282
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(282)
<223> n = A,T,C or G

<400> 209
gcataataaa tgctttgagc ttcttgacta tcatatacct aaagaaagtg catcagagaa 60
tnatattcct gacttttnnc tgactggcaa aaagcnagct ttatcttgtc ttataggatg 120
cttagtttgc cactncactt caaaccaatg ggacagtcnt anatggngng acagtgttna 180
ancncaccaa aaggntncnt ttccntgggg ccancnctgt cntnancctc nctaanctat 240
ttgnanaatt ttaancncnn gttaantaaa aaaaaaaaaa aa 282

<210> 210

<211> 1445
<212> DNA
<213> Homo sapiens

<400> 210
ggcgttgtga ggtgagcttt ttcagaagcg cgatcccagg acacgtcggg aagcaagcat 60
ccccagagct gcttggaaag aggaccaaag acgtctaaaa agtcatttgg aaatatctct 120
aaatatttgt taccatgtat aagctgctaa agagaaattg ggcccaacaa aactaattga 180
ataattgagg cagatttgtg tgtatcatca aattctatcc agaagttgaa gaatctgaat 240
ttaaagattg tgtgcattta ataagaggat gacctttcag tttaatttca ctatagaaga 300
ccatctggaa aatgaattaa cacccattag agatggagct ttgaccctgg attcctcaaa 360
agagctgtca gtctcagaaa gtcaaaaagg agaagagagg gacagaaaat gttctgcaga 420
acaatttgac ttgcctcagg atcacttgtg ggaacataag tcaatggaaa atgcagctcc 480
ctctcaagac acagacagtc cactcagtgc agccagcagt tcaaggaact tggagccaca 540
tggaaaacag ccctccttga gagctgccaa agagcatgct atgcctaaag atttaaagaa 600
gatgttagaa aataaagtca tagaaacatt accaggtttc cagcatgtta agttatcagt 660
agtgaaaacc atcttgttga aagagaactt ccctggagaa aacatagttt caaaaagctt 720
ttcttctcac tctgatctga ttacaggtgt ttatgaggga ggcttaaaaa tctgggaatg 780
tacctttgac ctcctggctt atttcacaaa ggccaaagtg aaatttgctg ggaaaaaagt 840
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tgagttttgt aagcttgtac taagtagtga aaaacttttt gtaaaatatg atctcattct 1140
cacctcagaa accatttaca acccagatta ttatagtaat ttgcaccaga ctttccttag 1200
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tggaggtgtt catctctttc agaagtttgt agaagaaaga gatgttttta agaccagaat 1320
actcaaaata attgatgaag gattgaagag gttcataatt gaaataactt ttaagtttcc 1380
tggttaatta acattcactg agtatccaaa atgaaataaa cagaaggacc aaaaaaaaaa 1440
aaaaa 1445

<210> 211
<211> 414
<212> DNA
<213> Homo sapiens

<400> 211
aaaaagggaa ggaaggagag acagataact ctcagtcatt taaaaaacta caataaaata 60
ttatgaatta tcaattagat caaagttcct cacagctata tttatatagg taaaaaaaaa 120
ttaaataggc taaatgccca aaaatttaag actggcaaaa tatacttggc taaatactgt 180
gcgtctctat taaataccat gtttcagaag aattattaat gacatgagaa tatgctcaaa 240
atacatattg atatgtgcaa atacatattg caaagtaaga ttatagaatg atcctagttc 300
aaaaatgtca catatatatg tatttaaaaa aaaaggcagt taagatttac aacaaaatgt 360
tagtggtggg accttctggt aggaatacag atttttttttt attcagaagt tttt 414

<210> 212
<211> 720
<212> DNA
<213> Homo sapiens

<400> 212
gtcgacgtaa aatagaaaca gaaggggact ttatcaacct gattaacttt ctcaacatgt 60
taaccctaca gttaacatta taatcaatgg tgaatcattg agtactttcc ttctaagatc 120
agaaacagtt caaagtccac tctcaccatt tctattcaac attgtactgg aatcccagcc 180

agtgcagtaa taccaataat aaaaaattaa agtcataaag attgaaaagg atgaagtaaa 240
gctatttcaa ttctatttag aagtatttag aaaccccaaa gaatctacaa aaaactaata 300
gaaataagtg aatatatgaa ggtcttacta tacaagatca acatatcaaa agcagtggta 360
tttaagaaaa ggttggagac tatttataat aaacagtggt tgaattttgt taatgctttt 420
tctgtatttt ttgaaatgat cttattattt ttctctttgc taaaaatgtg agtaaccttg 480
agttgacttt ctgtgtaaat caaccttgtg tcccaggaaa aaactccaat tgatcatgat 540
gtgttatcct ttttatacat tgctgtattc aatatgctaa tatatttatt ttttgtgtct 600
atttcatgag ggatatcagt atgtaattgt tttttcttgt tatatctttg ttggttttat 660
taatcaacat tatgctaact tcatacaata tattggaaca tgctccctcc ttttattttc 720

<210> 213
<211> 1114
<212> DNA
<213> Homo sapiens

<400> 213
gctcctaaca aagaagatat cttgaaaatt tcagaggatg agcgcatgga gctcagtaag 60
agctttcgag tatactgtat tatccttgta aaacccaaag atgtgagtct ttgggctgca 120
gtaaaggaga cttggaccaa acactgtgac aaagcagagt tcttcagttc tgaaaatgtt 180
aaagtgtttg agtcaattaa tatggacaca aatgacatgt ggttaatgat gagaaaagct 240
tacaaatacg cctttgataa gtatagagac caatacaact ggttcttcct tgcacgcccc 300
actacgtttg ctatcattga aaacctaaag tatttttttgt taaaaaagga tccatcacag 360
cctttctatc taggccacac tataaaatct ggagaccttg aatatgtggg tatggaagga 420
ggaattgtct taagtgtaga atcaatgaaa agacttaaca gccttctcaa tatcccagaa 480
aagtgtcctg aacagggagg gatgatttgg aagatatctg aagataaaca gctagcagtt 540
tgcctgaaat atgctggagt atttgcagaa aatgcagaag atgctgatgg aaaagatgta 600
tttaatacca aatctgttgg gctttctatt aaagaggcaa tgacttatca ccccaaccag 660
gtagtagaag gctgttgttc agatatggct gttactttta atggactgac tccaaatcag 720
atgcatgtga tgatgtatgg ggtataccgc cttagggcat ttgggcatat tttcaatgat 780
gcattggttt tcttacctcc aaatggttct gacaatgact gagaagtggt agaaaagcgt 840
gaatatgatc tttgtatagg acgtgtgttg tcattatttg tagtagtaac tacatatcca 900
atacagctgt atgtttcttt ttcttttcta atttggtggc actggtataa ccacacatta 960
aagtcagtag tacattttta aatgagggtg gtttttttct ttaaaacaca tgaacattgt 1020
aaatgtgttg gaaagaagtg ttttaagaat aataattttg caaataaact attaataaat 1080
attatatgtg ataaattcta aaaaaaaaaa aaaa 1114

<210> 214
<211> 1495
<212> DNA
<213> Homo sapiens

<400> 214
gtaacggatg gtgcgccaac gtgagaggaa acccgtgcgc ggctgcgctt tcctgtcccc 60
aagccgttct agacgcggat gaagtgcaaa acaaacttct ccatagagga gttgttgcaa 120
agttccagtt tataccaaac agtaatcaga ttccattgga agctaaagat tttgagagcc 180
ttttgtacta tatgcaacta acttgatttc aagcttggga acttttaaaa aaaacattaa 240
agcaaaatga aaaatgcttt ctgaaagcag ctccttttg aaaggtgtga tgcttggaag 300
ccattttctg tgctttgatc cactaatgct aaggacacat taggattggt catggaaata 360
gaatgcacca ccatgagcat catcacctac aagctcctaa caaagaagat atcttgaaaa 420
tttcagagga tgagcgcatg gagctcagta agagctttcg agtatactgt attatccttg 480
taaaacccaa agatgtgagt ctttgggctg cagtaaagga gacttggacc aaacactgtg 540
acaaagcaga gttcttcagt tctgaaaatg ttaaagagtt tgagtcaatt aatatggaca 600
caaatgacat gtggttaatg atgagaaaag cttacaaata cgcctttgat aagtatagag 660
accaatacaa ctggttcttc cttgcacgcc ccactacgtt tgctatcatt gaaaacctaa 720

agtattttt gttaaaaaag gatccatcac agcctttcta tctaggccac actataaaat 780
ctggagacct tgaatatgtg ggtatggaag gaggaattgt cttaagtgta gaatcaatga 840
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ctgttacttt taatggactg actccaaatc agatgcatgt gatgatgtat ggggtatacc 1140
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ctgacaatga ctgagaagtg gtagaaaagc gtgaatatga tctttgtata ggacgtgtgt 1260
tgtcattatt tgtagtagta actacatatc caatacagct gtatgtttct ttttcttttc 1320
taatttggtg gcactggtat aaccacccat taaagtcagt agtacatttt taaatgaggg 1380
tggttttttt ctttaaaaca catgaacatt gtaaatgtgt tggaaaaaag tgttttaaga 1440
ataataattt tgcaaataaa ctattaataa atattatatg tgataaattc taacc 1495

<210> 215
<211> 838
<212> DNA
<213> Homo sapiens

<400> 215
ggctgggaag tcagttcgtt ctctcctctc ctctcttctt gtttgaacat ggtgcggact 60
aaagcagaca gtgttccagg cacttacaga aaagtggtgg ctgctcgagc cccagaaag 120
gtgcttggtt cttccacctc tgccactaat tcgacatcag tttcatcgag gaaagctgaa 180
aataaatatg caggagggaa ccccgtttgc gtgcgcccaa ctcccaagtg gcaaaaagga 240
attggagaat tctttaggtt gtcccctaaa gattctgaaa aagagaatca gattcctgaa 300
gaggcaggaa gcagtggctt aggaaaagca aagagaaaag catgtccttt gcaacctgat 360
cacacaaatg atgaaaaaga atagaacttt ctcattcatc tttgaataac gtctccttgt 420
ttaccctggt attctagaat gtaaatttac ataaatgtgt ttgttccaat tagctttgtt 480
gaacaggcat ttaattaaaa aatttaggtt taaatttaga tgttcaaaag tagttgtgaa 540
atttgagaat ttgtaagact aattatggta acttagctta gtattcaata taatgcattg 600
tttggtttct tttaccaaat taagtgtcta gttcttgcta aaatcaagtc attgcattgt 660
gttctaatta caagtatgtt gtatttgaga tttgcttaga ttgttgtact gctgccattt 720
ttattggtgt ttgattattg gaatggtgcc atattgtcac tccttctact tgctttaaaa 780
agcagagtta gatttttgca cattaaaaaa ttcagtatta attaaaaaaa aaaaaaa 838

<210> 216
<211> 938
<212> DNA
<213> Homo sapiens

<400> 216
cacctcaggc tgtggctctt tgggcttctt cctaatgcag aagaagttgc ccagcagcaa 60
aatcagggag gaggtgagca cctcggcccc cgccaggatg aacacgtaca tgtagacgtg 120
ggtcgcatcc aggagtttgc ctcccgaagg gggcccgacg agcacggcca ccgcctccat 180
cagcagcacc aggccaatgg cactggagaa cttgtaggag atgccaaaga agatgcagaa 240
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gaagagcccc agcaccatga ccgaggcggc cacggcgtaa agcacaaagc cgcggtcccg 540
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cgtgaccacc aggggcctca tgagtgcggc acacacgcag cagttgagca gcaggccgcc 660
caggatgagg aagccgcccc gccagccgta gcggtcctgc agcagctgcc ccagcgggct 720
cagggcacac aggaagacag ggctacctgc tgccgccagc ccgttggcca tggggcgccg 780

cttgctgaag tagcggttca gcatgatgag cgagggctgg aagttgagtg ccaaacccaa 840
ccccgtgatg accccagtgg tgaggtagac ctggatgatg ctccggcaaa aggacgcagc 900
caccatgccc agcgacgcaa agagaccccc cacaagca 938

<210> 217
<211> 1982
<212> DNA
<213> Homo sapiens

<400> 217
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ccatgggagg ggccgtggtg gacgagggcc ccacaggcgt caaggcccct gacggcggct 120
ggggctgggc cgtgctcttc ggctgtttcg tcatcactgg cttctcctac gccttcccca 180
aggccgtcag tgtcttcttc aaggagctca tacaggagtt tgggatcggc tacagcgaca 240
cagcctggat ctcctccatc ctgctggcca tgctctacgg gacaggtccg ctctgcagtg 300
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tgtgtgccct gagcccgctg gggcagctgc tgcaggaccg ctacggctgg cggggcggct 600
tcctcatcct gggcggcctg ctgctcaact gctgcgtgtg tgccgcactc atgaggcccc 660
tggtggtcac ggcccagccg ggctcggggc cgccgcgacc ctcccggcgc ctgctagacc 720
tgagcgtctt ccgggaccgc ggctttgtgc tttacgccgt ggccgcctcg gtcatggtgc 780
tggggctctt cgtcccgccc gtgttcgtgg tgagctacgc caaggacctg ggcgtgcccg 840
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ccgcagacag gctggcaggg caggtgctgc gtggggccct ctccagcccg tcctaccctg 1860
ggctcacatg ggcctgtgc ccaccccctct tgagtgtctt ggggacagct ctttccaccc 1920
ctggaagatg gaaataaacc tgcgtgtggg tggagtgttc tcgtgccgaa ttcaaaaagc 1980
tt 1982

<210> 218
<211> 592
<212> DNA
<213> Homo sapiens

<400> 218
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ttgggcgaga catccgagcc tgtttcgttc cgtgttggga ccaggaataa ccctgacttc 120
tgagctttca taaccccagg atcctccaga aaatttgcgg cgcgctgagg gaaaaccttg 180

ctgaagctgt acattggaat gcgtttacag tcattgtaat ggaagcaaaa tacatgaagg 240
aaaaactgtt atttgtatcc ctgcttattg cacctgacga ctagttgcag atggttttgt 300
ttacctaaga aaacttgtga tataaatgaa aaaaacacct gttttcctag agtcattggt 360
tacaaatatg cttcgtctaa gagctatttg tccattctcc tggagagtgt ttcaatttcg 420
acccatcagt tgtgaaccac taattattca gatgaataag tgtacagatg aggagcaaat 480
gtttggtttt attgaaagaa acaaagccat actttcagaa aagcaagtgg gatgtgcatt 540
tgatatgctt tggaagcttc aaaagcagaa gaccagcctg ttaaaaaatg ct 592

<210> 219
<211> 650
<212> DNA
<213> Homo sapiens

<400> 219
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agccgcagcc ggggccaaag tttgtggggt cagggcccca tccagcagct gccctgcccc 120
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<210> 220
<211> 782
<212> DNA
<213> Homo sapiens

<400> 220
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tcactaagag gccttgtgta gaagtacacc agcatcattg tagtagagtg taaacctttt 180
cccatgccca gtcttcaaat ttctaatgtt ttgcagtgtt aaaatgtttt gcaaatacat 240
gccgataaca cagatcaaat aatatctcct catgagaaat ttatgatctt ttaagtttct 300
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gcttcttttt tctcaaatgt aattcagcaa aataatacag tactgccacc agatttttta 420
ttacatcatt tgaaaattag cagtatgctt aatgaaaatt tgttcaggta taaatgagca 480
gttaagatat aaacaattta tgcatgctgt gacttagtct atggatttat tccaaaattg 540
cttagtcacc atgcagtgtc tgtattttta tatatgtgtt catatataca taatgattat 600
aatacataat aagaatgagg tggtattaca ttattcctaa taatagggat aatgctgttt 660
attgtcaaga aaaagtaaaa tcgttctctt caattaatgg cccttttatt ttgggaccag 720
gcttttattc tccctgatat tatttctatt taatactctt ttctctcaaa aaaaaaaaaa 780
aa 782

<210> 221
<211> 2417
<212> DNA
<213> Homo sapiens

<400> 221
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cgctgcccgc catcgtgccc gccgcccgga aggccaccgc tgcggtgatt ttcctgcatg 120
gattgggaga tactgggcac ggatgggcag aagcctttgc aggtatcaga agttcacata 180
tcaaatatat ctgcccgcat gcgcctgtta ggcctgttac attaaatatg aacgtggcta 240
tgccttcatg gtttgatatt attgggcttt caccagattc acaggaggat gaatctggga 300
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<210> 222
<211> 1466
<212> DNA
<213> Homo sapiens

<400> 222
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atggcatcaa tatctacagg agaaaaaaag ggaactcaaa aatgaaacct gggaatattc 180
ttcctctgtg atttcttttg ttaatggtca gtttctgggt gatgcattgg atctgcagaa 240
atgggcccac gaggtgtggg atatagttga cattaaaccc tctgcacttt atgacgcact 300
cactgaggat ttttccgcta agttcttaag agacaccaag catgatttcg tgtttttgga 360
catttgtatt gattcttctc caattggaag attgattttt gagctatact gtgatgtgtg 420

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tggcataaga ctacattaca aaaattccat ttttcatcga atagtacaga atggctggat 540
acaaggaggg gatatagtgt atggaaaagg agataatgga gagtcgattt atggtccaac 600
atttgaagga caggctccca tgcagatgga actgttggga atggcatcaa aattatccag 660
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gagcagagta acatcagcac tgatagtgaa tgtaccctag aaagacatgc tcataggata 1380
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tcagtttctt taaaaaaaaa aaaaaa 1466

<210> 223
<211> 724
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 38,39,57,61,63,126,172,211,212,319,
328,333,346,418,420,423,430,515,521,552,
555,569,570,587,671,709
<223> n = A,T,C or G

<400> 223
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ntngaacatg gtgcggacta aagcagacag tgttccaggc acttacagaa aagtggtggc 120
tgctcnagcc cccagaaagg tgcttggttc ttccacctct gccactaatt cnacatcagt 180
ttcatcgagg aaagctgaaa ataaatatgc nngaggaacc ccgtttgcgt gcgcccaact 240
cccaagtggc aaaaaggaat tggagaattc tttaggttgt cccctaaaga ttctgaaaaa 300
gagaatcata ttcctgaana ggcacgangc agnggcttaa gaaaancaaa gagaaaagca 360
tgtcctttgc aacctgatca cacaaatgat gaaaaagaat acaactttct cattcatntn 420
tgnataacgn ctccttgttt accctggtat tctagaatgt aaatttacat aaatgtgttt 480
gttccaatta gctttgttga acaagcattt aattnaaaaa nttacgttta aatttagatg 540
ttcaaaagga gntgngaaat ttgagaatnn gtaagactaa ttatggnaac ttagcttagt 600
attcaatata atgcattggt ggggtttctt ttacccaaat taaggggtct agttctttgt 660
taaaatcaag ncatttgcat ttgtggttct aaatacaagt attgttgcnt ttgagaattg 720
ctta 724

<210> 224
<211> 1444
<212> DNA
<213> Homo sapiens

<400> 224

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gtttgaacat ggtgcggact aaagcagaca gtgttccagg cacttacaga aaagtggtgg 120
ctgctcgagc ccccagaaag gtgcttggtt cttccacctc tgccactaat tcgacatcag 180
tttcatcgag gaaagctgaa aataaatatg caggagggaa ccccgtttgc gtgcgcccaa 240
ctcccaagtg gcaaaaagga attggagaat tctttaggtt gtcccctaaa gattctgaaa 300
aagagaatca gattcctgaa gaggcaggaa gcagtggctt aggaaaagca aagagaaaag 360
catgtccttt gcaacctgat cacacaaatg atgaaaaaga atagaacttt ctcattcatc 420
tttgaataac gtctccttgt ttaccctggt attctagaat gtaaatttac ataaatgtgt 480
ttgttccaat tagctttgtt gaacaggcat ttaattaaaa aatttaggtt taaatttaga 540
tgttcaaaag tagttgtgaa atttgagaat ttgtaagact aattatggta acttagctta 600
gtattcaata taatgcattg tttggtttct tttaccaaat taagtgtcta gttcttgcta 660
aaatcaagtc attgcattgt gttctaatta caagtatgtt gtatttgaga tttgcttaga 720
ttgttgtact gctgccattt ttattggtgt ttgattattg gaatggtgcc atattgtcac 780
tccttctact tgctttaaaa agcagagtta gatttttgca cattaaaaaa ttcagtatta 840
attaaacatt acttattcta ccctcttttt tggcaaggag gacaaatacg caatgttgga 900
aaaccttgga tggatatctt ctctttaaaa aaatgtaaag ataatttggt cttgagggtt 960
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ggagaatggc gtgaacccgg gaagtggagc ttgcagtgag ccgagattgc gccactgcag 1380
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aaaa 1444

<210> 225
<211> 836
<212> DNA
<213> Homo sapiens

<400> 225
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catggtgcgg actaaagcag acagtgttcc aggcacttac agaaaagtgg tggctgctcg 120
agcccccaga aaggtgcttg gttcttccac ctctgccact aattcgacat cagtttcatc 180
gaggaaagct gaaaataaat atgcaggagg gaaccccgtt tgcgtgcgcc caactcccaa 240
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aacgtctcct tgtttaccct ggtattctag aatgtaaatt tacataaatg tgtttgttcc 480
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<210> 226
<211> 836
<212> DNA
<213> Homo sapiens

<400> 226
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gaggaaagct gaaaataaat atgcaggagg gaaccccgtt tgcgtgcgcc caactcccaa 240
gtggcaaaaa ggaattggag aattctttag gttgtcccct aaagattctg aaaaagagaa 300
tcagattcct gaagaggcag gaagcagtgg cttaggaaaa gcaaagagaa aagcatgtcc 360
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aattagcttt gttgaacagg catttaatta aaaaatttag gtttaaattt agatgttcaa 540
aagtagttgt gaaatttgag aatttgtaag actaattatg gtaacttagc ttagtattca 600
atataatgca ttgtttggtt tcttttacca aattaagtgt ctagttcttg ctaaaatcaa 660
gtcattgcat tgtgttctaa ttacaagtat gttgtatttg agatttgctt agattgttgt 720
actgctgcca tttttattgg tgtttgatta ttggaatggt gccatattgt cactccttct 780
acttgcttta aaaagcagag ttagattttt gcacattaaa aaattcagta ttaatt 836

<210> 227
<211> 836
<212> DNA
<213> Homo sapiens

<400> 227
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catggtgcgg actaaagcag acagtgttcc aggcacttac agaaaagtgg tggctgctcg 120
agcccccaga aaggtgcttg gttcttccac ctctgccact aattcgacat cagtttcatc 180
gaggaaagct gaaaataaat atgcaggagg gaaccccgtt tgcgtgcgcc caactcccaa 240
gtggcaaaaa ggaattggag aattctttag gttgtcccct aaagattctg aaaaagagaa 300
tcagattcct gaagaggcag gaagcagtgg cttaggaaaa gcaaagagaa aagcatgtcc 360
tttgcaacct gatcacacaa atgatgaaaa agaatagaac tttctcattc atctttgaat 420
aacgtctcct tgtttaccct ggtattctag aatgtaaatt tacataaatg tgtttgttcc 480
aattagcttt gttgaacagg catttaatta aaaaatttag gtttaaattt agatgttcaa 540
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atataatgca ttgtttggtt tcttttacca aattaagtgt ctagttcttg ctaaaatcaa 660
gtcattgcat tgtgttctaa ttacaagtat gttgtatttg agatttgctt agattgttgt 720
actgctgcca tttttattgg tgtttgatta ttggaatggt gccatattgt cactccttct 780
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<210> 228
<211> 1444
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 847,849,850,852,853,854,856,857,858
<223> n = A,T,C or G

<400> 228
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gtttgaacat ggtgcggact aaagcagaca gtgttccagg cacttacaga aaagtggtgg 120
ctgctcgagc ccccagaaag gtgcttggtt cttccacctc tgccactaat tcgacatcag 180
tttcatcgag gaaagctgaa aataaatatg caggagggaa ccccgtttgc gtgcgcccaa 240
ctcccaagtg gcaaaaagga attggagaat tctttaggtt gtcccctaaa gattctgaaa 300
aagagaatca gattcctgaa gaggcaggaa gcagtggctt aggaaaagca aagagaaaag 360
catgtccttt gcaacctgat cacacaaatg atgaaaaaga atagaacttt ctcattcatc 420
tttgaataac gtctccttgt ttaccctggt attctagaat gtaaatttac ataaatgtgt 480

ttgttccaat tagctttgtt gaacaggcat ttaattaaaa aatttaggtt taaatttaga 540
tgttcaaaag tagttgtgaa atttgagaat ttgtaagact aattatggta acttagctta 600
gtattcaata taatgcattg tttggtttct tttaccaaat taagtgtcta gttcttgcta 660
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tcggcagtcc ggcttgggcg acagagcgag actccgtctc aaaaaaaaaa aaaaaaaaaa 1440
aaaa 1444

<210> 229
<211> 522
<212> DNA
<213> Homo sapiens

<400> 229
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gaaaattttt acatgttttg ggacacacat cacagtatag ctcaaaaatc aatcttccaa 120
ttggagaaga atcaatacaa atgtccaaaa acacgaaatc atgcttggtg tctcttaaga 180
acttagcgga aaaatcctca gtgagtgcgt cataaagtgc agagggttta atgtcaacta 240
tatccccaca cctcgtgggc ccatttctgc agatccaatg catcacccag aaactgacca 300
ttaacaaaag aaatcacaga ggaagaatat tcccaggttt cattttgag ttccctttt 360
ttctcctgta gatattgatg ccatgcaaat tcttgaagag gaactaatat aggatcttca 420
aatttggatg gatgattatt cttcagattc tcagcggcgc tcttcgcaat ctgaaagttg 480
gggcagctga agagccccac caccttcacc tgcagcggcc gc 522

<210> 230
<211> 868
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 21
<223> n = A,T,C or G

<400> 230
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aaattatcac agaaaatatt gatatgaaaa tcaagcataa ggatctccac tgtcagtaat 120
tctacacata tgtattggtc tttcattctg tgttggaact aattctagtt gtttaagcac 180
ttctgttcct tcaatcagtt gcccaaaagc cacaaatttt ctatctagat aaggagttgc 240
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tactcctctt ttattatgag gaactgaaaa gttttcatct tcaaatgttg gaccataaat 360
cgactctcca ttatctcctt ttccatacac tatatccccc ccttgtatcc agccattctg 420
tactattcga tgaaaaatgg aatttttgta atgtagtctt atgccacgtt gagaaaaccc 480

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tagctcaaaa atcaatcttc caattggaga agaatcaata caaatgtcca aaaacacgaa 600
atcatgcttg gtgtctctta agaacttagc ggaaaaatcc tcagtgagtg cgtcataaag 660
tgcagagggt ttaatgtcaa ctatatccca cacctcgtgg gcccatttct gcagatccaa 720
tgcatcaccc agaaactgac cattaacaaa agaaatcaca gaggaagaat attcccaggt 780
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ccccaccacc ttcacctgca gcggccgc                                   868
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